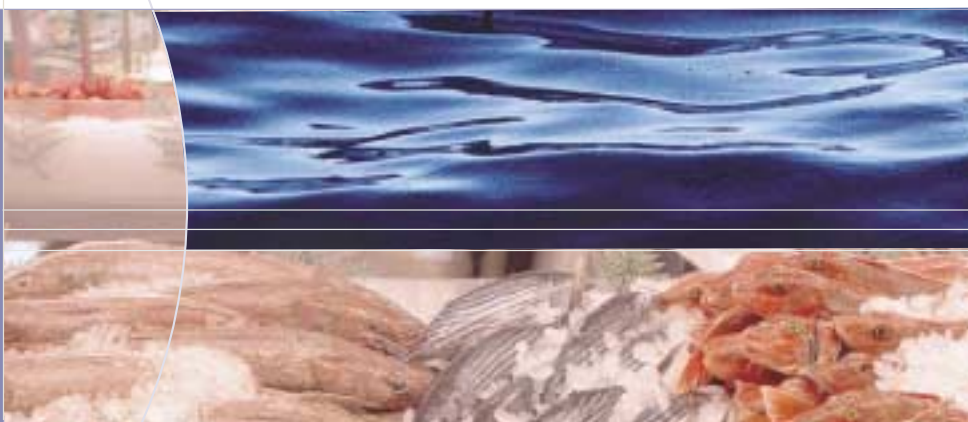


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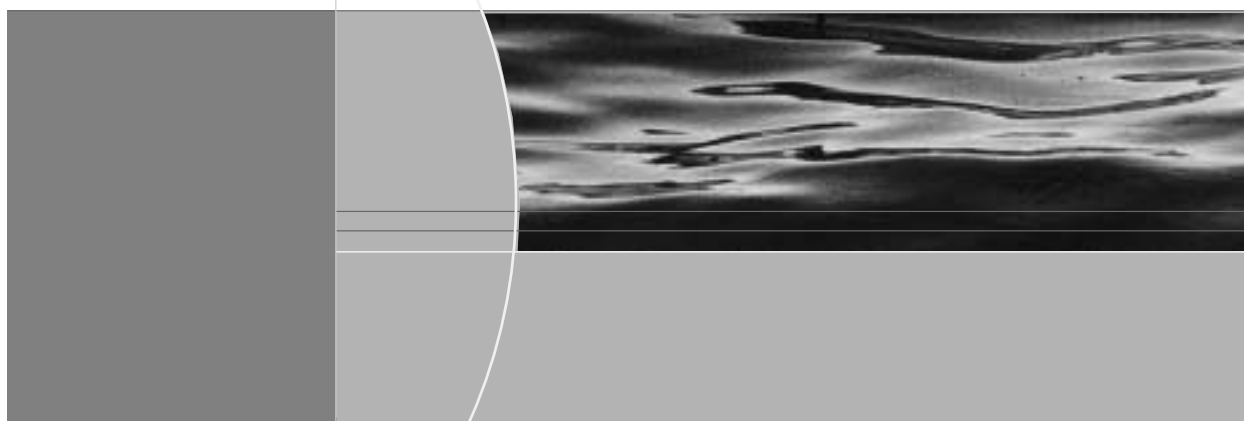


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Foreword

Australian Fisheries Statistics is designed to meet the needs of the fishing industry and fisheries managers, policy makers and researchers. ABARE has been publishing detailed production and trade data in this series since 1991. The estimates of the gross value of production provided in the report are used for a range of purposes — for example, to determine Commonwealth, state and territory fisheries research funding arrangements each year.

This report contains data on the volume and value of production from state and Commonwealth fisheries, and the volume and value of Australian fisheries trade, by destination, source and product, for the three years to 2001-02. The report also contains a profile of Commonwealth and state fisheries for 2001-02, covering selected species, fishing method and number of licence holders.

Australian Fisheries Statistics is part of a suite of ABARE publications that provide a comprehensive account of historical trends in, and the outlook for, Australian fisheries. *Australian Commodity Statistics* provides a historical series of production and trade statistics for fisheries and a range of other commodities. *Australian Commodities* includes forecasts for major fisheries commodities that are updated each quarter. Detailed analysis of the economic performance of selected fisheries is provided in the annual *Australian Fisheries Surveys Report*.



BRIAN S. FISHER
Executive Director

March 2003

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Definitions and explanations

Definitions

Aquaculture production is the liveweight quantity of product produced and marketed by aquaculturists.

Aquaculture value is the assessed value received by aquaculturists on the basis of an at 'farm gate' equivalent, for product marketed.

Export quantity data are supplied by the Australian Bureau of Statistics on the basis of the net product weight exported.

Export value data are supplied by the Australian Bureau of Statistics on the basis of free on board value.

Import quantity data are supplied by the Australian Bureau of Statistics on the basis of the net product weight imported.

Import value data are supplied by the Australian Bureau of Statistics on the basis of product cost plus insurance and freight.

Production quantity is a measure of the quantity of fish product landed by fishery, usually on the basis of catch records.

Production value is the assessed value at the point of landing for the quantity produced and excludes transport and marketing costs.

Products consist of fisheries products marketed for human consumption plus nonedible fisheries products.

Seafood is any fish or other aquatic plant or animal intended for human consumption; it excludes nonedible fisheries products.

Southern bluefin tuna

Southern bluefin tuna sold from the farms in South Australia are reported at their full market value. However, the input value of those tuna is also included as an output from the Commonwealth southern bluefin tuna fishery. To avoid double counting, the input value is netted out of Australian totals.

Rounding

Small discrepancies in totals are generally caused by the rounding of components. A dash (–) is used to denote a nil or negligible amount.

Abbreviations and symbols

kg	kilogram
t	tonne
kt	kilotonne
\$	dollar (Australian)
\$'000	thousand dollars (Australian)
\$m	million dollars (Australian)
fob	free on board
ABARE	Australian Bureau of Agricultural and Resource Economics
AFZ	Australian Fishing Zone
na	Not available
nei	Not elsewhere included

Production and trade

key features

Dana Langenkamp

Gross value of production

tables 1–16

Overview

Quantity and value

Australian fisheries production rose by 1.8 per cent in 2001-02 to almost 233 350 tonnes. However, with falling unit values for many species, the gross value of fisheries production in 2001-02 fell by 0.8 per cent to \$2.41 billion.

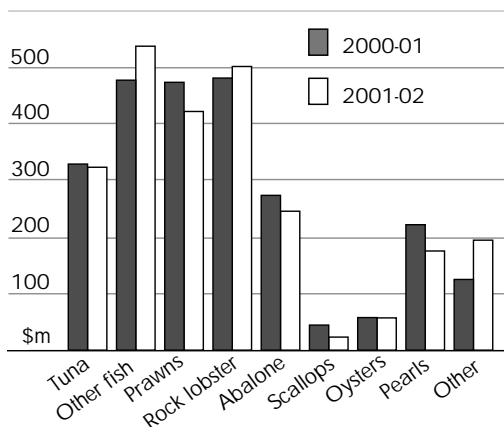
Aquaculture and Commonwealth wild caught fisheries increased their total gross value of production from 2000-01 to 2001-02, while that from state wild caught fisheries fell. The total value of aquaculture production increased by 3.5 per cent or by \$25.1 million to almost \$733 million in 2001-02, while the value of Commonwealth fisheries increased by 1.0 per cent or \$3.9 million to nearly \$481 million. State wild caught production fell by \$36.8 million or 2.8 per cent.

Gross value, by major species group and locality

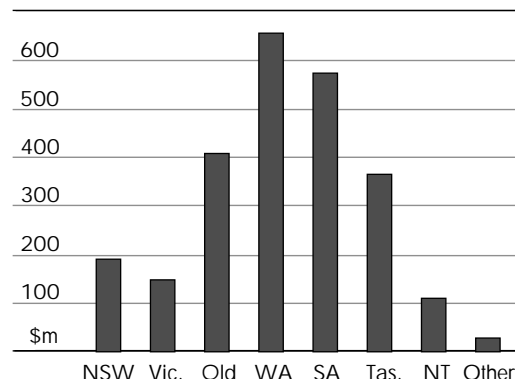
Finfish, crustaceans and molluscs comprise the majority of Australian fisheries production (figure A). Finfish production (both wild caught and aquaculture) in 2001-02 increased by \$49.1 million or 6.0 per cent to \$862 million, mainly owing to the increase in Commonwealth wild caught production. Crustacean production fell by 1.2 per cent or \$16.1 million. Wild caught harvests of all crustacean species, except rock lobster, fell. Mollusc production also fell, from \$564 million to \$538 million (down 4.8 per cent) in 2001-02. Increased harvest of octopus failed to offset the falls in abalone, scallops and squid (tables 2–4).

By location of catch, over 50 per cent of the gross value of Australia's fisheries production in 2001-02 was accounted for by the south eastern states of New South Wales, Victoria, South Australia and Tasmania (figure B). Western Australia accounted for a further 27 per cent, while Queensland and

A Value of Australian fisheries



B Value of Australian fisheries, by state, 2001-02



the Northern Territory made up the remaining 22 per cent. Commonwealth, state and territory production is allocated according to the state or territory waters in which the catch was taken. The total includes aquaculture production but excludes hatchery production (see footnote a, table 5).

Aquaculture's share

Since 1991-92, the real value of aquaculture production has almost trebled from \$256 million (in 2001-02 dollars) to \$733 million in 2001-02. This represents an annual rate of growth of nearly 14 per cent in nominal terms and 11 per cent in real terms. Australia's wild caught fisheries gross value of production grew at a far lesser rate than this. As a result, aquaculture's share of Australia's total fisheries gross value of production increased from 15 per cent in 1991-92 to 30 per cent in 2001-02.

State and territory fisheries

New South Wales

The gross value of fisheries production in New South Wales fell by \$3.8 million in 2001-02 to a total of just under \$136 million (table 6). The total value of wild caught fish increased by \$2.1 million, while the value of crustaceans and molluscs fell by \$4.6 million and \$3.9 million respectively. The value of wild caught fish production in 2001-02 rose by 6 per cent to \$35.7 million, mainly due to an increase in the harvest of yellow-tail kingfish and Australian salmon. The 18 per cent fall in the value of mollusc production to \$17.6 million in 2001-02 was mainly accounted for by the drop in the value of abalone and octopus harvests of \$2.8 million and \$1.0 million respectively. The decline in the gross value of school and king prawns of almost \$4.3 million and \$0.5 million respectively led to the fall in value of the crustacean harvest of 11 per cent to \$37.5 million in 2001-02.

In contrast to the wild caught fishery, New South Wales aquaculture production increased by 3.4 per cent, from \$42.2 million in 2000-01 to \$43.7 million in 2001-02. The

\$1.5 million increase was driven mainly by an increase in production of prawns (up \$0.5 million to \$5.4 million in 2001-02) and recovery in trout production (up 32 per cent or \$0.5 million to \$2.0 million). Ornamental fish, yabby and oyster productions were the only aquaculture species to fall in value — down by \$0.2 million, \$0.1 million and \$0.1 million respectively.

Victoria

The gross value of Victorian fisheries production fell by \$10.0 million or 8 per cent to around \$117 million in 2001-02 (table 7). Wild caught production, which constitutes the majority of Victorian production (at \$96.2 million in 2001-02), fell by \$11.8 million. Most of this (\$9.8 million) resulted from a fall in the value of abalone production to \$60.6 million in 2001-02. Rock lobster production fell by \$1.3 million.

The gross value of Victorian aquaculture production rose by \$1.8 million or 9 per cent in 2001-02 to \$20.7 million. Major contributors to this rise were mussels, with higher production and prices, as well as warm-water finfish and ornamental fish. The rise was despite falls in the value of trout and eels production.

Queensland

The gross value of fisheries production in Queensland fell slightly in 2001-02, from \$277.6 million to \$277.4 million (table 8). The gross values of wild caught crustacean and mollusc production fell, while the value of wild caught fish and aquaculture production increased. The \$3.5 million increase in wild caught fish value was driven mainly by the \$6.4 million increase in the value of the coral trout harvest in 2001-02. However, reductions in the value of production of mullet (down \$2.9 million) and spotted mackerel (down \$1.5 million) partly offset the coral trout increase. Mollusc gross production value fell by \$8.5 million, largely due to a \$8.2 million fall in scallop values. An \$8.1 million decrease in prawn gross value and a \$4.0 million fall in the value of crab harvests were the main factors contributing to the \$11.9 million fall in the gross value of production of crustaceans.

The estimated gross value of aquaculture production increased by 31 per cent in 2001-02, from \$54.4 million to \$71.2 million. The majority of the value of Queensland aquaculture production is derived from farmed prawns. In 2001-02, prawn production increased in value by an estimated \$14.4 million to \$59.0 million. Aquaculture production of barramundi also increased, by \$2.4 million to \$7.5 million and oysters by \$0.1 million to \$0.5 million. Combined silver and jade perch production value fell by \$0.3 million and pearl production fell 80 per cent to \$0.1 million.

Western Australia

The gross value of fisheries production in Western Australia in 2001-02 increased by \$21.8 million from the \$593 million achieved in 2000-01 (table 9). While the values of aquaculture, fish and crustaceans rose, the value of wild caught mollusc production fell. The largest increase originated from aquaculture production, the total value of which rose by \$24.9 million to \$182 million in 2001-02. The value of pearl production rose by \$25 million, while that of mussels and ornamental fish and crustaceans rose by \$0.6 million and \$0.3 million respectively.

The wild caught fish harvest increased by \$2.9 million to \$433 million, mainly from increases in the value of pilchard and tropical snapper production of \$0.7 million and \$1.0 million respectively. The value of the wild caught crustacean harvest increased by

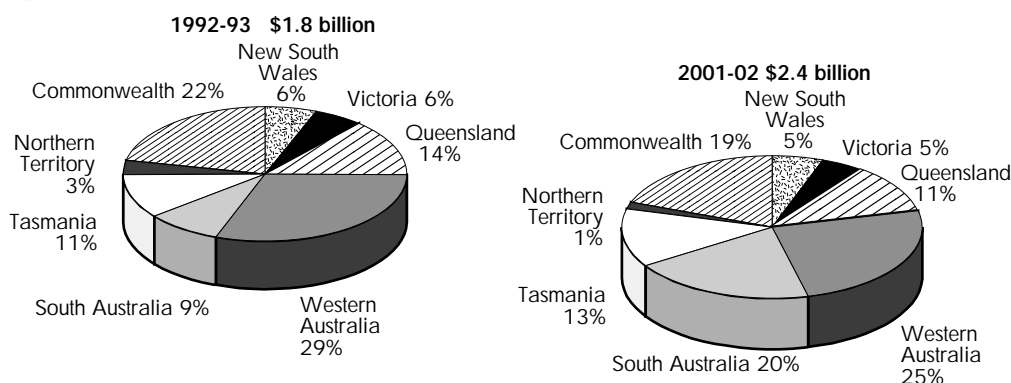
\$5.6 million to \$358 million in 2001-02. Prawns increased in value by \$4.4 million to \$46.4 million in 2001-02. The rock lobster fishery increased by \$1.2 million to \$305 million, due mainly to an increase in average prices. The value of the mollusc harvest fell by \$11.8 million to \$34.9 million in 2001-02, as the value of wild caught abalone and scallops fell.

South Australia

The gross value of fisheries production in South Australia fell slightly to just under \$490 million in 2001-02 (table 10). The \$3 million fall was driven mainly by a fall in aquaculture production and prices (aquaculture contributes over half of total fisheries value). Falls in prices of key species such as abalone and snapper meant that although the wild catch increased by 16 per cent, the value of wild caught production remained almost constant at around \$207 million. Wild caught production is dominated by crustaceans, which account for 70 per cent of the total value, and in particular by rock lobster, production of which was valued at \$92 million in 2001-02 (44 per cent of total wild caught value).

The majority of South Australian aquaculture value is derived from the farming of southern bluefin tuna, which provided \$261 million of the \$283 million total value in 2001-02. Oysters were the next largest contributor to aquaculture value. Rising production and prices led to an increase in

C State shares of value of fisheries production



the value of South Australia's oyster production to \$13 million in 2001-02.

Tasmania

The gross value of Tasmanian fisheries production in 2001-02 increased by 5 per cent or \$15.3 million, from \$312 million to \$327 million (table 11). Both wild caught harvest and aquaculture production increased, by \$2.5 million and \$12.8 million respectively. The wild caught harvest in Tasmania is dominated by abalone, the total value of which was \$120 million in 2001-02. The value of wild caught crustaceans increased by \$9.9 million to \$68.1 million, driven mainly by the increase in average prices for rock lobster and giant crabs. The value of the mollusc harvest fell by \$8.6 million to around \$122 million. Falls in abalone harvest and prices, and scallop fishery closures, were responsible for the majority of the decline. The value of the wild caught fish harvest increased by \$1.1 million to almost \$200 million, driven mainly by a \$0.7 million increase in the value of the Australian salmon harvest in 2001-02.

The increase in value of aquaculture production was mainly driven by a \$12.2 million increase in the value of salmonid production, to over \$111 million in 2001-02.

Northern Territory

The gross value of fisheries production in the Northern Territory in 2001-02 fell by \$32.2 million or 47 per cent to \$36.6 million (table 12). A fall in aquaculture production of \$29.9 million was responsible for most of the decline. Other contributors were the falls in the value of production of wild caught fish (down by \$1.3 million), molluscs (down by \$0.8 million) and crustaceans (down by \$0.3 million). The fall in the value of production of aquaculture mainly reflected an anomaly in the timing of the pearl harvest, and a 70 per cent fall in the price of pearls. Harvesting of pearls in 2000-01 occurred in July and then June, leaving no harvests in 2001-02. Production is expected to rebound in 2002-03 as harvesting regains its usual pattern.

Wild caught fish production fell by 6 per cent to \$19.9 million in 2001-02 despite a \$1.1

million increase in the value of mackerel production. Reduced harvests led to a \$1 million decrease in sea perch and \$0.4 million fall in the gross value of barramundi production. The main fall in mollusc value was accounted for by 'other molluscs', the value of which fell by \$0.8 million. A \$0.3 million decline in crustacean value mainly reflected a fall in the 'other crustaceans' harvest and average price.

Commonwealth fisheries

Main fisheries

The main Commonwealth fisheries include the northern prawn fishery (which had a gross value of production of \$135 million in 2001-02), the eastern tuna and billfish fisheries (\$79 million), the south east trawl and nontrawl fisheries (\$76 million), the southern bluefin tuna fishery (\$72 million), the Torres Strait fishery (\$34 million) and the western and southern tuna fishery (\$34 million) (table 13).

Quantity and value of production

The value of production in the northern prawn fishery fell by \$30 million from the \$165 million achieved in 2000-01, mainly due to a fall in harvest and unit value of the two major species, banana and tiger prawns. Harvests of both of these species have generally trended downwards since 1994-95 (the 2000-01 and 2002-02 banana prawn harvests were unusually high).

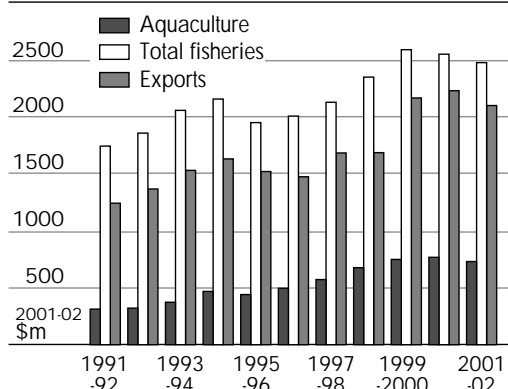
In the Torres Strait fishery both harvest and gross value of production for prawns and other species fell from those in 2000-01.

Despite falling average prices for tuna species, the gross value of production in the eastern tuna and billfish fishery rose by \$13.8 million to \$79.3 million in 2001-02, owing to a higher catch.

The gross value of production for the western and southern tuna fishery fell by \$0.8 million in 2001-02 to \$33.7 million, mainly because of a fall in prices for all tuna species. Billfish unit values for both fisheries increased.

Production in the southern bluefin tuna fishery remained constant at its quota level

D Real value of Australian fisheries production and exports



of a little over 5200 tonnes, while the gross value of production increased by \$10 million to \$73.4 million as estimated farm input southern bluefin tuna prices rose.

The south east trawl and nontrawl fisheries' gross value of production also rose, by \$6.0 million to \$75.6 million in 2001-02. Major species in these fisheries are blue grenadier, orange roughy and tiger flathead. Increases in production value in 2001-02 were driven in large part by increases in the catch and unit values of blue grenadier and tiger flathead, while the orange roughy catch fell.

Aquaculture

The gross value of aquaculture production in Australia increased to almost \$733 million in 2001-02, up by 3.5 per cent from the revised value of just under \$708 million in 2000-01. This represented 30 per cent of Australia's total fisheries gross value of production in 2001-02.

South Australian aquaculture production accounted for 39 per cent of the total value, the bulk of the value of production in the state being derived from farmed southern bluefin tuna.

Western Australia accounted for 25 per cent of the total value of Australian aquaculture production. The value of Western Australia aquaculture was dominated by pearls, which contributed 96 per cent of the total value of aquaculture production.

Tasmanian aquaculture production in 2001-02 represented 17 per cent of the total value of Australian aquaculture production. Farmed Atlantic salmon accounted for the majority of this production.

Prawn farming dominated Queensland aquaculture production, with Queensland contributing 10 per cent of the gross value of Australian aquaculture production in 2001-02.

New South Wales is the largest producer of edible oysters in Australia. Oyster production made up 72 per cent of the state's total aquaculture production in 2001-02, and New South Wales accounted for 6 per cent of the gross value of Australian aquaculture production in 2001-02.

The bulk of Victoria's 3 per cent contribution to the total gross value of aquaculture production was derived from farmed trout, which made up around half of that state's aquaculture value in 2001-02.

Aquaculture production in the Northern Territory is dominated by pearl culturing. The Northern Territory contributed under 1 per cent of Australian gross value of aquaculture production in 2001-02 (see footnote b in table 12).

Employment

According to the most recently available Australian Bureau of Statistics (ABS) figures collected in August 2001, around 19 600 people are directly employed across Australia in the commercial fishing, aquaculture and associated industries (table A). Fish wholesaling and processing accounted for around 40 per cent of total fishery employment (7753 people). The various sectors of marine wild caught fisheries (rock lobster, prawn, finfish, squid, line and activities not elsewhere counted) employed 4501 people. Aquaculture activities employed 4221 people.

As there have been changes in the collection procedures, the data shown in table A cannot be directly compared with the employment figures that appeared *Fisheries Statistics 1999*. Detailed employment data will continue to be collected by the ABS and updated every five years.

A Employment in Australian fisheries

	New South Wales	Vic- toria	Queens- land	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
Marine fishing									
Rock lobster fishing	54	145	70	221	722	242	5	0	1 459
Prawn fishing	223	6	472	109	150	0	80	0	1 040
Finfish trawling	93	26	90	40	27	9	3	0	288
Squid jigging	3	6	0	3	0	0	0	0	12
Line fishing	12	6	31	6	10	3	3	0	91
Marine fishing nec	331	125	390	237	245	224	59	0	1 611
Total marine fishing	716	314	053	636	1 154	478	150	0	4 501
Aquaculture	926	320	592	764	601	846	166	6	4 221
Fish wholesaling	1 333	856	1 473	583	742	455	79	19	5 540
Seafood processing	303	269	377	457	239	545	20	3	2 213
Commercial fishing, undefined	724	311	816	459	493	249	94	6	3 152
Total fishing employment	4 002	2 070	4 311	2 899	3 229	2 573	509	34	19 627

Source: Australian Bureau of Statistics (2003).

Exports of fisheries products

tables 17-27

Value of exports

Export value, by sector

Total fisheries products exports in 2001-02 were valued at \$2.1 billion. Almost 80 per cent of exports comprised edible fisheries products, such as rock lobster, abalone and prawns. The remaining 20 per cent of exports were nonedible fisheries products such as pearls, fish meal and marine fats and oils. Pearls comprised the majority of nonedible export value.

The value of total fisheries exports fell by 3.2 per cent from 2000-01 to 2001-02. Exports of edible products fell by 3.2 per cent to \$1.66 billion, while exports of nonedible exports fell by 3.0 per cent to \$0.44 billion. The drop in edible export value was mainly caused by a 6 per cent fall in crustacean and mollusc export value that stemmed from a lower quantity exported as well as falls in the unit prices of prawns and abalone. The decline in nonedible export value was principally caused by a fall in the value of pearl

exports — down by 3.6 per cent to \$404 million.

Edible fisheries exports

The principal edible fisheries exports in 2001-02 were finfish (\$502 million), rock lobster (\$493 million), abalone (\$263 million) and prawns (\$263 million). Finfish export value continues to be dominated by tuna, which constituted 65 per cent of total finfish export value. Tuna exports were valued at \$326 million in 2001-02. Increasingly seafood is being exported as live, fresh, chilled or frozen product, with 82 per cent of rock lobster exported in this form (both whole and tails), 69 per cent of abalone and 92 per cent of scallops in 2001-02. All edible prawn and crab commodities were exported fresh, chilled, frozen or cooked.

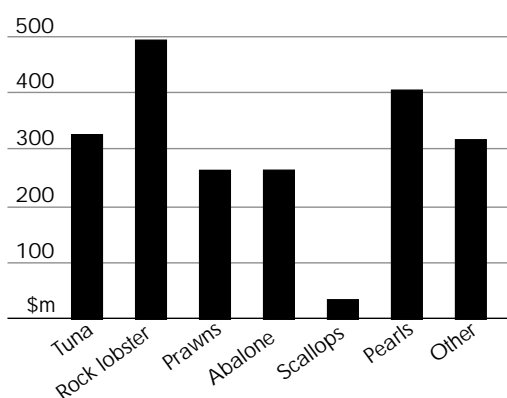
Nonedible fisheries products exports

Nonedible exports are dominated in value terms by pearl exports, which at \$404 million made up 92 per cent of total nonedible exports in 2001-02. Exports of marine fats and oils, fish meal, and ornamental fish made up a further 7 per cent of the total value of nonedible fisheries products exports.

Trends in export value

Over the period from 1991-92 to 2001-02 the real value of total fisheries products (edible and nonedible products) rose by 70 per cent. In 2001-02 dollars, the export value of total fisheries products increased from \$1.2 billion in 1991-92 to \$2.1 billion in 2001-02. Tuna exports accounted for a significant proportion of this growth, with total exports of tuna rising from \$11 million in 1991-92 (in 2001-02 dollars) to \$326 million in 2001-02 (figure E).

E Value of Australian fisheries exports, 2001-02



Exports, by destination

Main markets for seafood

Japan was Australia's main export market for edible fisheries products in 2001-02. Over 42 per cent of edible fisheries products exports, valued at almost \$680 million, went to this market. Hong Kong and Chinese Taipei were the next largest destinations, taking edible fisheries products exports valued at \$428 million and \$145 million respectively in 2001-02.

The majority of Japan's imports of edible fish comprised tuna products, valued at \$305 million in 2001-02. Exports to Hong Kong were mainly rock lobster, valued at \$192 million. Over 57 per cent of the exports to Chinese Taipei were also rock lobster (\$82.8 million).

Hong Kong and Japan were the two primary destinations for exports of crustaceans and mollusc products in 2001-02, taking \$406 million and \$336 million of crustacean and mollusc exports respectively, or 64 per cent of Australia's edible shellfish exports. Chinese Taipei and the United States together took a further 20 per cent, valued at \$229 million.

Almost half of the exports to Hong Kong were rock lobster products (\$192 million), and another quarter was abalone. Shellfish exports to Japan comprised mainly prawns (43 per cent, worth \$145 million) and rock lobster (33 per cent, worth \$111 million).

Change in value of seafood exports

The total value of exports to Hong Kong, Japan and Chinese Taipei fell from 2000-01 to 2001-02. For the most part, this fall was a result of falls in the quantity of overall exports to these countries as well as a fall in unit prices of abalone and prawns.

The total value of exports to the United States rose by 2 per cent in 2001-02, mainly due to an increase in export quantity and per unit prices of abalone which offset falls in unit prices of other fish products and fish fillets.

Main markets for nonedible fisheries products

The principal markets for nonedible fisheries products in 2001-02 were the United States (\$40.9 million), Hong Kong, China (\$40.4 million) and New Zealand (\$24.4 million). Other markets for nonedible exports included Japan, the United Kingdom and Germany.

Exports, by state

Principal exporters

South Australia and Queensland are the main exporters of finfish, while Western Australia and Queensland are the main exporters of crustaceans. Of total edible fisheries products, South Australia provided 29 per cent, Western Australia 26 per cent and Queensland 23 per cent in 2001-02.

Imports of fisheries products

tables 28–37

Value of imports

Import value, by sector

Australia imported \$1.2 billion of fisheries products in 2001-02, an increase of \$35 million on 2000-01. Almost three-quarters (\$876 million) of this was edible fisheries products, consisting of finfish, crustaceans and molluscs and in particular frozen finfish fillets, canned fish and prawns. The remaining \$311 million consisted of nonedible fisheries products which included pearls, fish meal, ornamental fish and marine fats and oils. Note that a significant proportion of pearl imports are product re-entering Australia after temporary export (see footnote c to table 28).

Edible fisheries imports

In 2001-02, finfish imports made up over 45 per cent (\$537 million) of the total value of fisheries products imports, while crustaceans and molluscs made up 29 per cent (\$339 million). The largest categories of edible finfish imports in value terms were frozen fillets (\$208 million, 39 per cent of edible finfish imports) and canned fish (\$177 million, 33 per cent). Crustacean and mollusc imports consisted mainly of prawns, valued at \$167 million (49 per cent of crus-

tacean and mollusc imports) followed by scallop and lobster imports, valued at \$22 million and \$8 million respectively in 2001-02.

Australia imports relatively large volumes of low value fish and crustaceans (figure F), and exports relatively small volumes of high value fish and crustaceans. In product weight terms, fish imports in 2001-02 were three times that of exports, but the average unit value of exported fish was more than three times the value of imported fish.

Nonedible fisheries products imports

Nonedible fisheries products imported in 2001-02 consisted of pearls, marine fats and oils, fish meal and ornamental fish. The bulk of this was accounted for by pearls (\$217 million), followed by fish meal and marine fats and oils (\$32 million and \$13 million respectively).

Trends in quantity imported

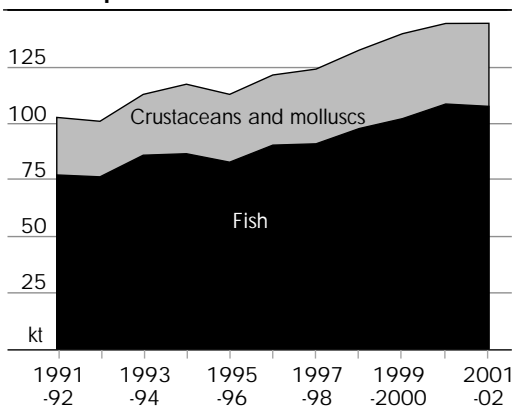
Over the period 1991-92 to 2001-02, the quantity of seafood imports into Australia increased by 52 per cent. Finfish imports increased by 54 per cent and shellfish imports by 46 per cent. In 2001-02 the quantity of imports into Australia fell 2 per cent from the previous year, the first decline in volume of seafood imports since 1995-96. The decline in imports of finfish (4 per cent), and in particular canned and smoked, dried and salted products, was responsible for the bulk of the drop in the quantity of imports of edible products. The volume of imports of crustaceans and molluscs increased by 3 per cent from 2000-01 to 2001-02, picking up from a fall in quantity imported in the previous year.

Imports, by source

Seafood

In 2001-02 over 45 per cent of imports by value originated from just two countries, Thailand and New Zealand. Imports from Thailand made up 27 per cent of imports by value (\$232 million), followed by 19 per cent from New Zealand (\$164 million). The remainder of imports originated from a

F Volume of Australian seafood imports



number countries including Viet Nam (\$47.6 million), India (\$42.0 million), South Africa (\$38.7 million) and Indonesia (\$32.4 million).

Over half of Australia's imports of canned fish and over 35 per cent of crustacean imports in 2001-02 were sourced from Thailand. New Zealand was the source of over 40 per cent of Australian imports of fresh, chilled or frozen fish products (valued at \$105.04 million) and over 20 per cent of mollusc imports (\$17 million). Almost 40 per cent of dried, salted and smoked fish products were imported from Denmark (\$9.5 million).

Nonedible fisheries products

Australian imports of nonedible fisheries products in 2001-02 were sourced from a wide range of countries including the United States, Japan and Peru.

Reference

Australian Bureau of Statistics 2003, *INDP Industry of Employment* – 2nd release, 2001 census, Canberra (041 Marine fishing and 042 Aquaculture).

Exports

Australian exports of edible fisheries products to principal markets

Graham Love

Australia's exports of edible fisheries products have risen significantly in recent years. Between 1988-89 and 2001-02, the total volume of exports rose by 74 per cent, from 36 930 tonnes to 64 291 tonnes. The real value of exports rose by 91 per cent, from \$87 million (in 2001-02 dollars) to \$1662 million (ABS 2002).

The bulk of Australia's exports (around 90 per cent) are to just six markets: Japan, Hong Kong, Chinese Taipei, the United States, China and Singapore.

Recent market studies aimed at increasing Australian seafood producers' understanding of these markets include Wilson et. al. (2001), Onley and Howes (2001) and Fitzgerald (2002). Wilson and McCallum (2001) examined the potential to export underutilised Australian seafood species to Asian markets including Japan, Hong Kong, Chinese Taipei, China and Singapore, while Onley and Howes (2001) profiled seafood consumption in these markets, including cultural aspects of seafood consumption. Fitzgerald (2002) profiled the US seafood market to provide market information for small to medium sized Australian seafood producers.

This article complements these existing market studies by examining the statistics contained in the main tables of this report (particularly in table 24, 'Australian exports of seafood to selected countries, by product') in more detail than would be possible in the 'production and trade – key features' section, and by summarising relevant international statistics on the production and consumption of fish and fishery products in Australia's main export markets. A scenario analysis of fish and fishery products production and consumption for Japan and the United States suggests that these two countries may differ markedly in their

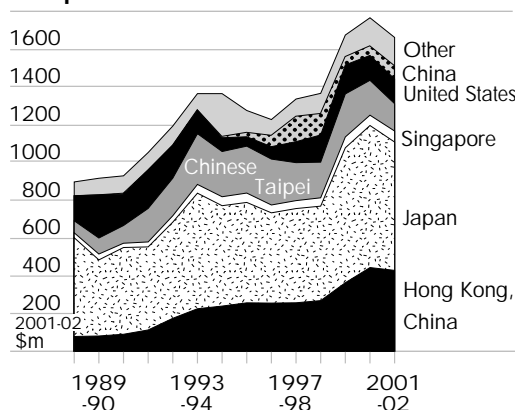
longer term outlook for fisheries product imports.

Export shares

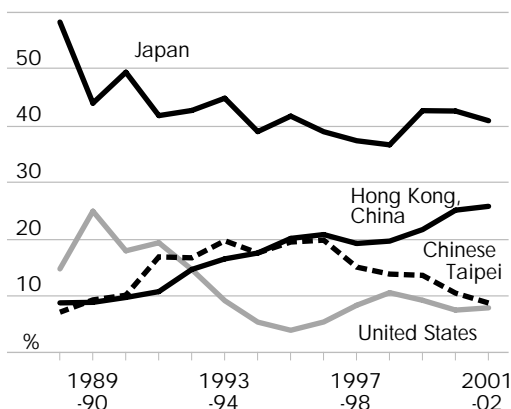
Japan remains Australia's largest export market for edible fisheries products. However, with the development of other markets in east Asia, particularly Hong Kong, Japan's share of total exports (in value terms) fell from 58 per cent in 1988-89 to 42 per cent in 2001-02. Over the same period, Hong Kong's share of edible fisheries product exports rose from 9 per cent to 27 per cent. Hong Kong is now Australia's second largest export market for edible fisheries products (figures A and B).

The US market, previously Australia's second largest export market, is now the fourth largest after Chinese Taipei. China's share of exports rose from virtually nothing in 1998-99 to 10 per cent in 1997-98, but has fallen again more recently. Singapore's annual export share has been fairly stable

A Australian exports of edible fisheries products



B Country share of exports



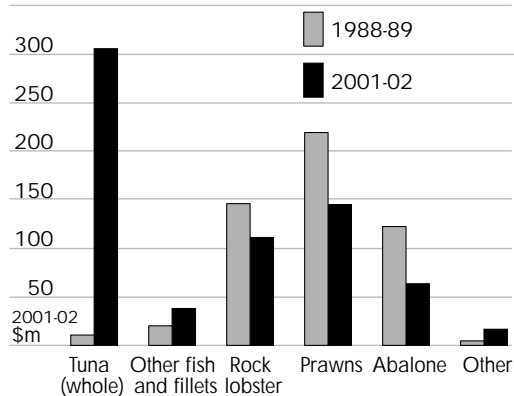
since the late 1980s at around 3 per cent of exports by value.

Main edible fisheries products exported by Australia to each market

Japan

Australia's highest value edible fisheries product export to Japan is tuna, principally southern bluefin tuna). The real value of tuna exports to Japan rose from only \$10.6 million in 1988-89 (in 2001-02 dollars) to \$305 million in 2001-02. In 2001-02, Japan took 96 per cent of Australia's exports of fresh chilled or frozen tuna (see tables 18 and 24 in the main statistical tables).

C Australian exports of edible fisheries products to Japan

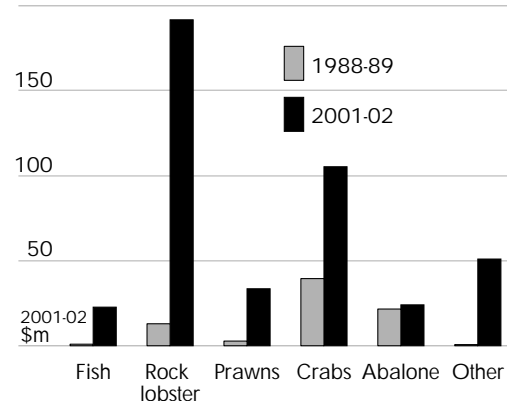


Australia's other main edible fisheries product exports to Japan are prawns, rock lobster and abalone (figure C). Although Japan's share of total Australian edible fisheries products exports has declined in recent years, in real value terms, exports of edible fisheries products to Japan increased from \$523 million in 1988-89 (2001-02 dollars) to almost \$680 million in 2001-02.

Hong Kong

Australia's main edible fisheries product exports to Hong Kong are rock lobster and abalone. The real value of Australian rock lobster exports to Hong Kong (in 2001-02 dollars) rose from \$12.9 million in 1988-89

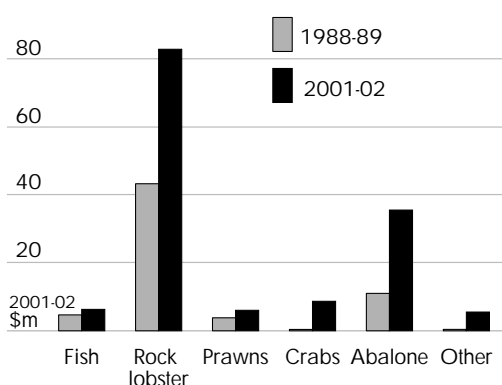
D Australian exports of edible fisheries products to Hong Kong



to \$192 million in 2001-02. This reflected, among other things, improved live holding capacity for rock lobster.

In 2001-02, 62 per cent of the rock lobster exported whole from Australia (6649 tonnes valued at \$307 million) was as live, fresh or chilled product (see table 19 in the main statistical tables).

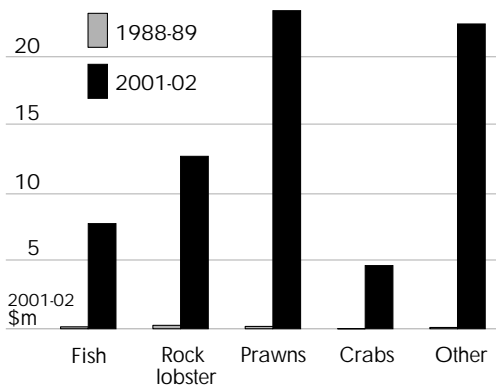
Over the period 1988-89 to 2001-02, Australia's exports of abalone to Hong Kong rose from \$39.5 million (in 2001-02 dollars) to \$105 million, while the total value of edible fisheries products to Hong Kong rose from \$78.4 million (in 2001-02 dollars) to \$428 million (figure D).

E Australian exports of edible fisheries products to Chinese Taipei**Chinese Taipei**

As with Hong Kong, Australia's main edible fisheries products to Chinese Taipei are rock lobster and abalone. The real value of Australian rock lobster exports to Chinese Taipei (in 2001-02 dollars) rose from \$43.3 million in 1988-89 to \$82.8 million, while the real value of exports of abalone rose from \$11.0 million to \$35.5 million (figure E). Total Australian exports of edible fisheries products to Chinese Taipei rose from \$63.6 million (in 2001-02 dollars) to \$145 million.

United States

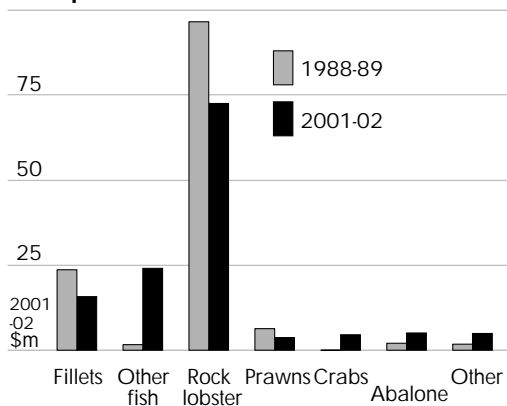
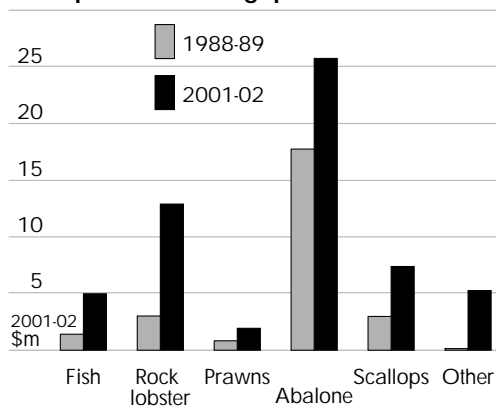
Rock lobster remains Australia's largest edible fisheries product export to the United

G Australian exports of edible fisheries products to the China

States, although in real terms, the value of rock lobster exports to this market has fallen since the late 1980s (figure F). The real value of Australia's exports of edible fisheries products to the United States was \$131 million in 2001-02, compared with \$132 million in 1988-89 (in 2001-02 dollars).

China

Australia's main edible fisheries products exports to China are prawns, rock lobster and other crustaceans (figure G). The real value of Australia's exports of edible fisheries products to China increased from under \$1 million in 1988-89 (in 2001-02 dollars) to \$70.9 million in 2001-02.

F Australian exports of edible fisheries products to the United States**H** Australian exports of edible fisheries products to Singapore

Singapore

The main edible fisheries products exported to Singapore by Australia are abalone, followed by rock lobster and scallops (figure H). The real value of Australia's exports of edible fisheries products to Singapore rose from under \$26.1 million in 1988-89 (2001-02 dollars) to \$58.2 million in 2001-02.

Fish consumption, production and trade in major export markets

The six main markets discussed above are all generally large importers and per person consumers of fish and fishery products. The FAO has recently published comprehensive food balance sheets for fish and fishery products for a large number of countries, including the six export markets discussed above (FAO 2002). The balance sheets for 1985 and 1999 are shown in tables 1 and 2.

The FAO calculates the apparent consumption of fish for food by taking the domestic catch (wild caught and aquaculture), subtracting nonfood use, adding imports, then subtracting exports. All quan-

ties are expressed in liveweight equivalents. Apparent per person consumption is obtained by dividing estimated apparent domestic consumption by midyear population. Comparison of the figures in the two tables indicates recent trends in fish and fishery products consumption, production and trade.

Japan

Japan is currently the world's largest importer of fish and fishery products, with 4.25 million tonnes of fish and fishery products being imported for food in 1999 (table 2). Japan is also the world's highest per person consumer of fish and fishery products, with an average of around 65 kilograms (live weight equivalent) of fish for food being consumed per person in 1999. This contrasts with, for example, an equivalent figure of only around 21 kilograms for the United States in 1999.

In Japan, fish provides a relatively high percentage of average daily protein intake per person — around 25 per cent, compared with 4 per cent in the United States. In contrast, animal protein provides a relatively

1 Apparent consumption of fish and fishery products, 1985

		Japan	United States	China	Hong Kong	Chinese Taipei	Singapore
Production ^a	kt	11 409.4	4 960.7	7 329.0	198.2	1 025.6	23.9
Nonfood use	kt	4 269.8	1 353.9	272.5	13.4	5.1	13.2
Imports	kt	1 857.4	2 353.8	104.0	200.5	22.0	180.0
Exports	kt	603.5	1 295.5	153.4	152.4	365.4	94.0
Apparent consumption	kt	8 393.4	4 661.1	7 007.1	232.9	679.5	95.1
Population	million	120.8	242.5	1 051.0	5.5	19.2	2.7
Apparent consumption per person	kg	69.5	19.2	6.7	42.7	35.4	35.1
Imports per person	kg	15.4	9.7	0.1	36.5	1.1	66.7
Imports as a percentage of apparent consumption	%	22.1	50.5	0.1	86.1	3.2	189.3
Fish proteins	g/hd/day	25.7	4.0	1.7	13.0	10.3	9.5
Animal proteins	g/hd/day	49.1	69.0	9.6	52.4	35.7	47.1
Other proteins	g/hd/day	15.7	31.7	50.2	24.3	33.4	32.3
Total proteins	g/hd/day	90.5	104.7	61.5	89.7	79.4	88.9
Fish's share of protein sourced from fish and animals	%	34.4	5.5	15.0	19.9	22.4	16.8
Fish's share of all protein	%	28.4	3.8	2.7	14.5	12.9	10.7

^a Wild caught plus aquaculture. Source: FAO (2002).

higher share of total daily protein intake in the United States, and total average daily protein intake per person in the United States was nearly 30 per cent higher than in Japan in 1999. Over the fifteen years 1985 to 1999, Japan's fish consumption per person fell, but average daily intake of protein per person remained little changed.

Between 1985 and 1999, Japan's domestic production of fish from wild caught and aquaculture declined from 11.4 million tonnes to 5.9 million tonnes. However, Japan was able to maintain its relatively high average fish consumption by increasing fish imports and reducing fish exports.

Over the same period, Japan's imports of fish and fishery products more than doubled, from 1.86 million tonnes to 4.25 million tonnes, while exports fell from 0.60 million tonnes to 0.26 million tonnes. Imports of fish per person rose from around 15 kilograms in 1985 to 37 kilograms in 1999, while fish imports as a percentage of total fish consumption rose from 22 per cent to 52 per cent.

United States

The United States is both a large importer and exporter of edible fisheries products, though on balance a net importer. Prior to the late 1980s, the United States was the world's largest importer of fish for food, in volume terms. For example, in 1985, the United States imported 2.35 million tonnes of fish for food, compared with Japan's imports of 1.86 million tonnes. In the period 1985 to 1999, however, US imports of fish for food rose by only 0.77 million tonnes, compared with Japan's rise of 2.40 million tonnes. In the same period, US consumption of fish for food rose from 4.66 million tonnes to 6.0 million tonnes, and average per person consumption of fish rose from 19.2 kilograms to 21.4 kilograms. The United States accommodated this increased demand for fish partly by increasing fish imports, partly by increasing fish production and partly by reducing exports. US fisheries production in the 1990s peaked at just over 5.9 million tonnes in 1993 and 1994 but, reflecting efforts to more sustainably

2 Apparent consumption of fish and fishery products, 1999

		Japan	United States	China	Hong Kong	Chinese Taipei	Singapore
Production ^a	kt	5 935.7	5 228.3	40 029.9	133.8	1347.4	9.1
Nonfood use	kt	1 720.5	1 173.1	7 537.2	13.1	80.8	0.0
Imports	kt	4 254.3	3 123.7	761.3	371.8	196.8	246.6
Exports	kt	255.2	1 224.4	2 025.6	144.3	758.9	139.5
Apparent consumption	kt	8 214.3	6 004.5	31 228.4	348.2	704.7	116.1
Population	million	126.8	280.4	1 242.8	6.7	22.0	3.9
Apparent consumption per person	kg	64.8	21.4	25.1	51.6	32.0	29.6
Imports per person	kg	33.6	11.1	0.6	55.5	8.9	63.2
Imports as percentage of apparent consumption	%	51.8	52.0	0.2	106.8	27.9	212.4
Fish proteins	g/hd/day	22.6	5.0	5.8	14.6	8.3	7.0
Animal proteins	g/hd/day	50.7	73.4	28.2	74.8	44.4	49.4
Other proteins	g/hd/day	17.9	38.3	50.0	15.7	41.8	44.5
Total proteins	g/hd/day	91.2	116.7	84.0	105.1	94.5	100.9
Fish's share of protein sourced from fish and animals	%	30.8	6.4	17.1	16.3	15.7	12.4
Fish's share of all protein	%	24.8	4.3	6.9	13.9	8.8	7.0

^a Wild catch plus aquaculture. Source: FAO (2002).

manage wild fish stocks, has fallen by over 10 per cent in more recent years.

China

China is a large net exporter of fish and fishery products. Both China's fish exports and fish imports rose in the period 1985 to 1999. China's domestic production (wild catch and aquaculture) is reported to have increased from 7.3 million tonnes in 1985 to 40.0 million tonnes in 1999. As a result, China's reported per person consumption of fish for food rose from around 7 kilograms in 1985 to 25 kilograms in 1999. The FAO has expressed some reservations about the production figures reported by China (see FAO 2001, *Fishery Statistics – Aquaculture Production*, p. 176). However, industry news reports indicate that there have been large increases in China's fisheries production since the mid-1980s.

China's imports of fish for food rose from 0.1 million tonnes in 1985 to 0.76 million tonnes in 1999, while exports rose from 0.15 million tonnes to 2.0 million tonnes. Despite this increase in imports, the share of China's consumption provided by imports is still relatively small. While China's reported average daily intake of protein per person rose significantly from 1985 to 1999 and was only 8 per cent below the level in Japan in 1999, a large proportion of protein intake (around 60 per cent in 1999) is still provided from sources other than fish or animal products. While having increased from 1985 to 1999, fish's share of total average daily protein intake in China was still only around 7 per cent in 1999.

Hong Kong

Hong Kong is a net importer of fish and fishery products. The level of both imports and exports is high relative to consumption, as some of the imported product is processed for export. Hong Kong's domestic catch remained stable at around 0.2 million tonnes over most of the period examined, while its imports doubled from 0.2 million tonnes to around 0.4 million tonnes, and its apparent per person consumption of fish and fishery products rose from 43 kilograms to 52 kilograms.

Chinese Taipei

Chinese Taipei is a net exporter of edible fishery products. Over the period examined, domestic catch, imports and exports all rose. Consumption per person fell slightly from 35 kilograms to 32 kilograms, suggesting that some of the additional imports were either processed for export, or substituted for some of the domestic catch which was then exported rather than consumed domestically.

Singapore

Singapore is a net importer of fish and fishery product. Most of the fish consumed are imported — the domestic catch is minimal. However, Singapore also exports relatively large quantities of edible fisheries products, as some of the product is imported for processing. From 1985 to 1999, Singapore's per person consumption of fish fluctuated around an average of around 47 kilograms.

Long term trends in trade

Australian exporters are exploring a number of new potential markets in Europe, the Middle East and elsewhere. Among the things of interest to them would be the longer term prospects for the import demand for fish and fishery products in these markets. This will be influenced on the demand side by the price of fisheries products (in local currency), the price of substitutes, income, tastes and population, and on the supply side by the level of wild catch and aquaculture production. All of these may change significantly in the longer term from their current levels.

To take population as an example (as projections of long term trends in population are readily available) in the midrange scenario of the United Nation's most recent population projections, Japan's population is projected to peak at 127 million around 2010 and to begin to fall thereafter. In contrast, US population is projected to continue to grow relatively rapidly to over 400 million by 2050. China's population is projected to peak at just under 1.5 billion by 2040 and to decline thereafter, while Hong Kong's

3 Long term population trends, midrange scenario

midyear

	Japan	United States	China	Hong Kong	Chinese Taipei	Singapore
	million	million	million	million	million	million
1990	123.5	250.0	1138.9	5.7	20.3	3.0
2000	126.5	275.6	1261.8	7.1	22.2	4.2
2010	127.3	300.1	1359.1	8.0	23.9	5.8
2020	123.4	325.2	1434.5	8.7	25.0	7.5
2030	116.7	351.3	1483.1	8.7	25.5	9.0
2040	109.1	377.6	1491.7	8.4	25.4	10.2
2050	101.2	403.9	1470.5	7.8	24.6	10.8
% change, 2000–50	– 20.0	+ 46.6	+ 16.5	+ 9.9	+ 10.8	+ 157.1

Source: Calculated from United Nations (2002). Projected 2000 data may not align exactly with the population data shown in table 2.

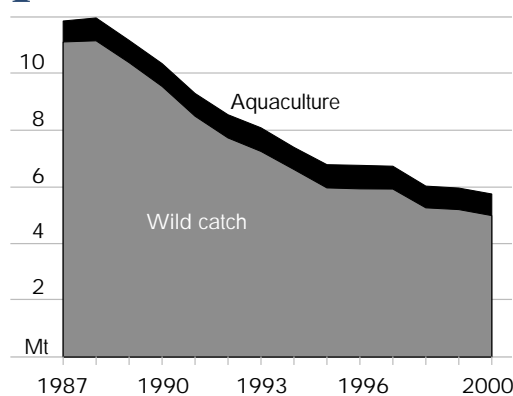
population is projected to peak at around 8.7 million in the decade 2020–30. The population of Chinese Taipei is projected to peak in the vicinity of 25 million around 2030–40. Singapore's population is projected to more than double over the next fifty years, to reach nearly 11 million by 2050 (table 3).

A scenario approach can be used to explore possible future levels of import demand for fish and fishery products in selected countries. Taking Japan as an example, it has already been noted that Japan's fisheries production fell significantly from the mid-1980s to the late 1990s. As shown in figure I, all of the fall in produc-

tion was in the wild caught sector — aquaculture production remained static at around 800 000 tonnes a year.

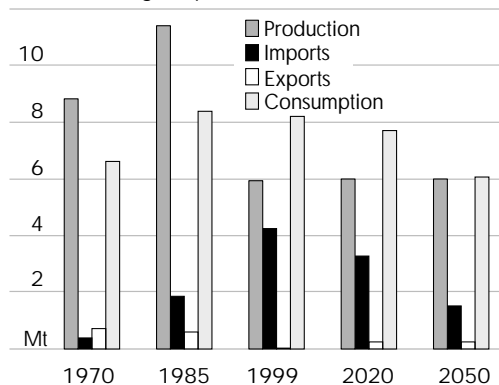
If it is assumed that Japan's fisheries production remains static at current levels, that Japan's population declines as per the United Nations' mid-range population projections, that Japan's fish consumption per person continues to decline, and that the percentage of nonfood fisheries product imports also continues to decline, Japan's aggregate imports of fish and fishery products could fall from their 1999 level of 4.25 million tonnes (liveweight equivalent) to 3.3 million tonnes in 2020 and 1.5 million tonnes in 2050 (figure J). Imports could be

I Fisheries production, Japan

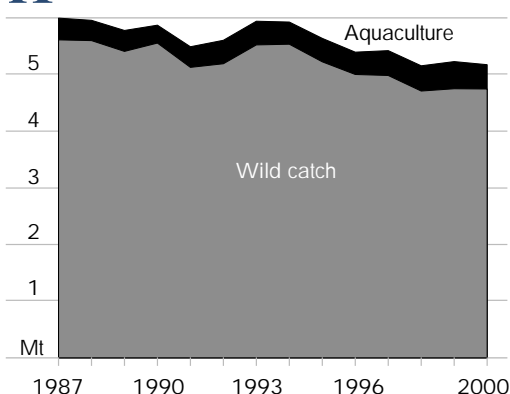


J Fish and fishery products, Japan

Liveweight equivalents



K Fisheries production, United States



higher, however, if Japan's fisheries production continues to decline, rather than remaining static at current levels.

In contrast, the future level of fish and fishery product imports by the United States could increase significantly. It has already been noted that US fisheries production in the 1990s peaked in 1993 and 1994 and has been declining since then (figure K). Aquaculture production has been increasing — between 1987 and 1999, aquaculture production rose from 383 000 tonnes to 477 000 tonnes — but this has been more than offset by falls in wild caught production.

If it is assumed that production from the US wild caught sector remains static at current levels but US aquaculture production

continues to increase at the historical rates achieved through the 1990s, that there is a further modest rise in per person consumption, and that US population continues to increase as per the UN population projections, then US imports of fish and fishery products could increase from their 1999 level of 3.12 million tonnes (liveweight equivalent) to 4.3 million tonnes in 2020 and 5.0 million tonnes in 2050 (figure L).

If production from the US wild caught sector increases in the future, rather than remaining static at current levels, imports may be lower. In 1999, the US National Marine Fisheries Service estimated that the United States could increase overall catches by 64 per cent by restoring stocks to levels capable of producing long term potential yields (NOAA 1999). However, restoring fish populations in US fisheries where populations have been depleted is likely to be an expensive and long term process (Pew Oceans Commission 2003).

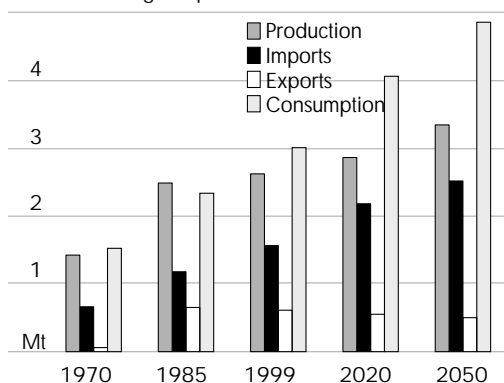
Conclusions

Currently, around 90 per cent of Australia's exports of edible fisheries products are to just six markets: Japan, Hong Kong, Chinese Taipei, the United States, China and Singapore. Japan remains Australia's largest export market for edible fisheries products, taking 42 per cent of Australia's edible fisheries product exports in 2001-02. Exports of edible fisheries products to Hong Kong have risen significantly in recent years and Hong Kong is now the second largest export market, taking 27 per cent of exports in 2001-02. Chinese Taipei and the United States were Australia's third and fourth largest export markets for edible fisheries products in 2001-02.

Japan remains the main market for Australia's high quality tuna, principally southern bluefin tuna, as well as a large market for prawns, rock lobster and abalone. Hong Kong, Chinese Taipei and Singapore are large markets for rock lobster and abalone, and the United States, a large market for rock lobster. Australia tends to compete in the higher value product end of fisheries markets and a number of market

L Fish and fishery products, United States

Liveweight equivalent



studies have recently been released that provide useful information for Australian seafood producers seeking to export (or increase exports) to the US and Asian markets. The comprehensive statistics on Australian fisheries production and trade contained in the main tables of *Australian Fisheries Statistics* are another source of useful information for the industry.

Australia's six main export markets for edible fisheries products are all generally large importers and per person consumers of fish and fishery products. Food balance sheets recently released by the FAO reveal there have been significant changes in fish and fishery product output, consumption and trade between the mid-1980s and the late 1990s in many countries. While these FAO statistics present food balances only at a relatively aggregated level, they are useful in identifying some longer term trends. For example, the statistics reveal that between the mid-1980s and the late 1990s, Japan's fisheries production fell markedly, but Japan was able to maintain its relatively high consumption of fish and fishery products by significantly increasing its imports of fish and fishery products. Japan overtook the United States as the world's largest importer of fish and fishery products in the late 1980s and is currently still the world's largest importer. In the long term, however, given current trends in fish production and consumption per person, the United States could reemerge as the world's largest importer of fish and fishery products within the next two decades.

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Profile of Australian fisheries in 2002

Commonwealth fisheries

Fishery	Area	Species	Main fishing method	Number
Northern prawn	Gulf of Carpentaria from Cape York to Cape Londonderry	Banana, tiger, endeavour and king prawn	Otter trawling	6 fishing permits (carrier boat)
Torres Strait	Torres Strait waters	Prawn, rock lobster, Spanish mackerel, pearl shell, trochus shell, and reef fish	Otter trawl, troll and dive	456 rock lobster 302 mackerel 153 pearl shell 79 prawn 151 sea cucumber 119 trochus 81 crab 329 line 98 net
South east trawl	Commonwealth waters from Barrenjoey Point, NSW, around Tasmania to Cape Jervis, SA	Mixed fish species, particularly orange roughy, ling, blue grenadier, flathead and warehou	Otter trawl and Danish seine	118 concessions
South east nontrawl	Commonwealth waters off south Queensland, NSW, Victoria, Tasmania and SA	Mixed fish species particularly pink ling, blueeye trevalla, and blue redfish	Demersal gillnet, demersal longline, dropline, trotline, trap and purse seine	145 concessions
Great Australian Bight	Commonwealth waters between Cape Leeuwin, WA, and Kangaroo Island, SA	Deepwater flathead, orange roughy and Bight redfish	Demersal otter, and limited midwater trawl	11 concessions
Southern bluefin tuna	Commonwealth waters especially the southern and south eastern parts of the AFZ	Southern bluefin tuna	Purse seining, pole and line, longline and trolling	36 concessions
Eastern tuna and billfish	Commonwealth waters off Queensland, NSW, Victoria and Tasmania from Cape York to the SA/Victoria border	Yellowfin, bigeye, skipjack and albacore tuna, and some billfish species	Pole and line, purse seine, pelagic long-line troll, rod and reel, and handline	312 concessions
Southern and western tuna and billfish	Commonwealth waters from Cape York around northern Australia to SA/Victorian border	Yellowfin, bigeye, skipjack and albacore tuna, and some billfish species	Pole and line, purse seine, pelagic long-line, troll, rod and reel and handline	7 western area only, 72 southern and 5 western area only, and 45 southern area only

PROFILE

Fishery	Area	Species	Main fishing method	Number
Southern shark	Commonwealth waters off SA, Victoria and Tasmania	Gummy and school shark, and other shark	Demersal gillnet and demersal line	190 concessions
Bass Strait scallop	Commonwealth waters off SA, Victoria and Tasmania	Scallop	Dredge	102 concessions
Jack mackerel	Commonwealth waters Purse seine, midwater from north of the NSW/Queensland border along southern Australia to near Perth, WA	Greenback, yellowtail and Peruvian jack mackerel	Purse seine and midwater trawl	71 concessions
Southern squid	Commonwealth waters off SA, Victoria, NSW, Tasmania and southern Queensland	Arrow or Gould's squid	Jig	84 concessions
Sub Antarctic	Heard, McDonald Islands and Macquarie Island waters	Patagonian toothfish, and icefish	Otter trawl and midwater trawl	5 concessions
Western deepwater trawl	Commonwealth waters off WA	Mixed fish species	Otter trawl	11 concessions
North West slope	Commonwealth waters off the northern parts of WA	Scampi	Otter trawl	7 concessions
Coral Sea	Commonwealth waters, from Sandy Cape to York	Reef fish, trochus, lobster, aquarium fish, sea cucumber	Otter trawl, hand lines, diving, seine nets	19 concessions
South Tasman Rise	High seas adjacent to AFZ south of Tasmania	Orange roughy, oreo dory	Deepwater demersal trawling	17 concessions

State fisheries

Fishery	Species	Main fishing method	Number
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New South Wales

Abalone	Blacklip abalone	Diving	37 licence holders
Rock lobster	Eastern rock lobster	Traps	168 licence holders
Ocean prawn trawl	Eastern king, school	Trawling	295 licence holders
Ocean trap and line	Spanner crabs, snapper and bonito	Fish traps, droplines, longline, spanner crab nets	576 licence holders
Ocean haul	Sea mullet, blue mackerel and yellowtail	Purse seine and haul nets	412 licence holders
Ocean fish trawl	Tiger and sand flathead, silver trevally, fiddler ray	Trawling	96 fishing licences
Estuary prawn trawl	School prawns and squid	Trawling	281 licence holders
Estuary general	Sea mullet, luderick, prawns and pippies	Mesh and haul nets, and hand gathering	930 licence holders

Fishery	Species	Main fishing method	Number
Aquaculture	Prawns	Pond culturing	12 licence holders
	Yabbies	Ponds and farm dams	152 licence holders
	Oysters	Rack tray and stick	406 licence holders
	Silver Perch	Pond	148 licence holders
	Trout	Ponds and raceway	66 licence holders
	Snapper	Ponds	13 licence holders

Victoria

Abalone	Greenlip, blacklip	Diving	71 licence holders
Scallops	Scallops	Dredging	94 licence holders
Bay and inlet	Mixed fish species	Various	123 licence holders
Rock lobster	Southern rock lobster	Pots	139 licence holders 7243 pots
Giant Crab	Giant crab	Pots	44 licence holders 3000 pots
Inshore trawl	Mixed fish species	Trawling	61 licence holders
Ocean (general)	Mixed fish species	Various	449 licence holders
Aquaculture	Mussels	Longlines	25 licence holders
	Yabbies	Ponds and farm dams	56 licence holders
	Trout	Raceways	38 licence holders
	Warmwater finfish	Recirculation units	63 licence holders
	Abalone	Flow through systems	15 licence holders

Queensland

East coast trawl	Tiger, banana, red spot king, endeavour, eastern king, 'bay' prawns, scallops, 'bugs' and trawl whiting	Otter trawl	527 licence holders
River and estuary trawl	Banana, 'bay' and tiger prawns	Beam	157 licence holders
Gulf of Carpentaria Inshore	Barramundi, king and blue threadfin, tropical shark, grey mackerel	Set (gill) net	92 licence holders
East coast net inshore (mainly tropical)	Barramundi, king and blue threadfin, tropical shark, grey mackerel	Set (gill) net	229 licence holders
East coast net inshore (mainly sub tropical)	Barramundi, king and blue Threadfin, mackerel, shark and mullet, tailor, bream, whiting	Seine and some net	555 licence holders
Line	Coral trout, Spanish mackerel, red throat emperor	Handline, trolling	235 permitted to use up to four dories, 1353 may use only one dory
Crab – estuary Crab – oceanic	Mud and blue swimmer Spanner crabs	Pot	889 licence holders

PROFILE

Fishery	Species	Main fishing method	Number
Queensland <i>continued</i>			
Aquaculture	Prawns	Pond culturing	78 licence holders
	Barramundi	Cage culture	188 licence holders
	Oysters	Rack and stick culture	111 licence holders
	Redclaw	Ponds and farm dams	251 licence holders
	Jade and silver perch	Ponds	168 licence holders
	Eels	Ponds and tanks	13 licence holders
	Barcoo grunter	Ponds	74 licence holders

Western Australia

West coast rock lobster	Western rock lobster	Pots	570 boats and 56 887 pots
Abalone	Greenlip, brownlip and Roe's abalone	Diving	27 licence holders
Shark Bay prawn	King tiger and endeavour prawns, scallops	Trawling	27 licence holders
Exmouth prawn	King, tiger and endeavour prawns	Trawling	13 licence holders
Nicol Bay prawn	King, banana prawns	Trawling	14 licence holders
Shark Bay scallops	Scallops	Trawling	41 licence holders
Aquaculture	Pearls	Longlines	48 licence holders
	Yabbies	Ponds and farm dams	54 licence holders
	Marron	Ponds and farm dams	274 licence holders
	Mussels	Longlines	28 licence holders

South Australia

Southern zone rock lobster	Southern rock lobster	Pots	181 licence holders
Northern zone rock lobster	Southern rock lobster	Pots	69 licence holders
Western zone Abalone	Greenlip and blacklip abalone	Diving	23 licence holders
Southern zone Abalone	Greenlip and blacklip abalone	Diving	6 licence holders
Central zone Abalone	Greenlip and blacklip abalone	Diving	6 licence holders
Blue crab	Blue crab	Pots	8 licence holders
West coast prawn	Western king prawn	Trawling	3 licence holders
Spencer Gulf prawn	Western king prawn	Trawling	39 licence holders
Gulf St Vincent prawn	Western king prawn	Trawling	10 licence holders
Marine scalefish	Various finfish Crustaceans, molluscs	Netting, line fishing, handlines and traps	384 licence holders
Restricted marine Scalefish	Various finfish, crustaceans, molluscs	Netting, line fishing handlines and traps	32 licence holders

Fishery	Species	Main fishing method	Number
South Australia <i>continued</i>			
Miscellaneous	Various finfish, crustaceans, molluscs, worms	Traps, diving, etc	16 licence holders
Pilchard (also incl. in marine scalefish)	Pilchard	Purse seine	14 licence holders
Lakes and Coorong	Freshwater finfish, marine finfish, molluscs	Netting, line fishing handlines	36 licence holders
River fishery	Freshwater finfish, crustaceans	Netting, pots	30 licence holders
Aquaculture	Yabbies	Ponds and farm dams	202 licence holders
	Marron	Ponds and farm dams	141 licence holders
	Oysters	Rack and stick culturing	290 licence holders
	Southern bluefin tuna	Cage culture	40 licence holders
	Barramundi	Recirculating tanks	34 licence holders
	Murray cod		54 licence holders
	Abalone	Raceways and ocean rafts	64 licence holders
	Gold and silver perch	Pond culturing	121 licence holders
	Scallops		78 licence holders
	Yellowtail king fish		26 licence holders
Tasmania			
Abalone	Blacklip and greenlip abalone	Diving	125 diving
Rock lobster	Southern rock lobster	Pots	314 licence holders and 10 507 pots
Giant crab	Giant crab	Pots	92 licence holders and 1035 units
Scallop	Commercial doughboy queen	Dredging	99 licence holders and 10 568 units
Scalefish	Various	Netting/hooks	425 licence holders
Aquaculture	Atlantic salmon	Cage culture farming	43 licence holders
	Pacific oysters	Rack and stick	113 licence holders
	Mussels	Longlines	36 licence holders
	Rainbow trout	Sea cages	17 licence holders
	Scallops		23 licence holders

PROFILE

Fishery	Species	Main fishing method	Number
Northern Territory			
Coastal	Finfish and bait	Line, net and trap	86 licence holders
Offshore	Mackerel, shark and reef	Trolling, hand and longline net, trap and trawling	111 licence holders
Barramundi	Barramundi and threadfin	Gillnet	26 licence holders
Mud Crab	Mud crab	Crab pots	49 licence holders
Other	Molluscs, oyster, trepang, squid and aquarium	Hand harvest and jigging and a variety of other methods	40 licence holders
Aquaculture	Pearls Prawns Barramundi		26 licence holders

Sources: Australian Fisheries Management Authority; New South Wales Fisheries; Northern Territory Department of Primary Industry and Fisheries; Queensland Department of Primary Industries; Victoria Marine and Freshwater Resources Institute; South Australian Research and Development Institute; Western Australian Fisheries; ABARE.

1 Gross value of Australian fisheries production

	1999-2000 \$'000	2000-01 p \$'000	2001-02 s \$'000
State wild caught fisheries			
New South Wales	87 963	97 239	92 026
Victoria	89 914	108 002	96 237
Queensland	203 247	223 151	206 155
Western Australia	547 707	435 926	432 851
South Australia	182 986	206 986	207 105
Tasmania	167 126	197 128	199 610
Northern Territory	32 028	34 270	31 958
Total	1 310 971	1 302 703	1 265 943
Aquaculture a			
New South Wales	42 041	42 245	43 699
Victoria	16 896	18 971	20 739
Queensland	54 481	54 449	71 230
Western Australia	195 887	156 995	181 867
South Australia	220 229	285 350	282 672
Tasmania	100 358	115 012	127 800
Northern Territory	55 000	34 500	4 627
Total	684 892	707 521	732 633
Commonwealth fisheries			
Northern prawn	107 362	164 668	134 635
Torres Strait	34 466	36 504	34 176
South east trawl b	72 059	63 814	69 959
South east nontrawl	5 593	5 777	5 620
South Tasman Rise	835	2 325	920
Great Australian Bight	6 847	5 755	6 354
Southern shark	9 522	13 344	15 298
Eastern tuna and billfish – longline and minor line	49 878	62 696	78 943
Eastern tuna and billfish – purse seine and pole	6 964	2 821	347
Southern bluefin tuna	56 517	62 134	72 432
Bass Strait scallop	0	0	0
Southern and western tuna	29 061	34 462	33 684
Other fisheries c	22 565	22 455	28 256
Total	401 668	476 755	480 624
Total value d	2 343 660	2 427 619	2 408 651

a Excludes the value of hatchery fishery production. **b** Includes Victorian Inshore trawl fishery since 2000-01. **c** Includes North west slope, Western deepwater, Southern squid, Jack mackerel, Macquarie Island, Coral Sea, Cocos and Christmas Islands, Heard and McDonald Islands, East coast deepwater, Victorian Inshore Trawl for 2000-01, and Norfolk Island fisheries. **d** Total value has been adjusted to allow for southern bluefin tuna caught in the Commonwealth southern bluefin tuna fishery, as an input to farms in South Australia. **p** Preliminary. **s** Estimates.

Sources: ABARE; Australian Fisheries Management Authority; Marine and Freshwater Resources Institute; Melbourne Wholesale Fish Market; New South Wales Fisheries; New South Wales Fish Marketing Authority; Northern Territory Department of Primary Industry and Fisheries; Queensland Fisheries Service; Queensland Department of Primary Industries; South Australian Research and Development Institute; Tasmanian Department of Primary Industries, Water and Environment; Department of Fisheries, Western Australia.

2 Australian fisheries production in 1999-2000, by state ^a

	NSW	Vic.	Qld	WA	SA	Tas.	NT	C'wlth	Aust.
<i>Value</i>	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish									
Tuna	97	0	0	203	202 000	2	38	108 282 b	256 750 c
Other	37 762	24 138	81 794	35 694	21 743	89 879	16 629	146 639 d	454 278
Total	37 859	24 138	81 794	35 897	223 743	89 880	16 667	254 921	711 027
Crustaceans									
Prawns	33 580	1 564	125 266	74 783	43 771	0	0	135 668 e	414 632
Rock lobster	4 601	18 313	5 705	385 612	81 049	44 761	0	5 390	545 430
Crab	4 353	766	22 139	4 405	3 544	1 887	12 046	92	49 232
Other	1 315	559	828	3 935	460	3	16	2 366	9 482
Total	43 850	21 202	153 937	468 735	128 824	46 651	12 062	143 516	1 018 777
Molluscs									
Abalone	12 680	57 715	0	16 340	34 394	99 596	0	0	220 725
Scallops	0	584	18 669	17 356	0	6 353	5	90	43 057
Oysters	30 089	0	674	0	9 389	13 176	0	0	53 328
Squid	888	474	1 070	322	1 981	894	19	1 608	7 256
Other	4 606	2 697	838	204 570	2 056	1 632	3 275	489 f	220 163
Total	48 263	61 470	21 251	238 588	47 820	121 651	3 299	2 188	544 529
Other NEI	33	0	746	374	2 828	9 302	55 000	1 044	69 326
Total value	130 004	106 810	257 728	743 594	403 215	267 484	87 028	401 668 g	2 343 660 c
Quantity	t	t	t	t	t	t	t	t	t
Fish									
Tuna	34	0	0	34	7 780	1	9	13 473 b	16 201 c
Other	11 500	4 408	12 684	16 330	8 498	12 218	3 696	44 119 d	113 454
Total	11 534	4 408	12 684	16 364	16 278	12 219	3 705	57 593	129 655
Crustaceans									
Prawns	2 642	124	8 988	4 781	2 416	0	0	7 830 e	26 781
Rock lobster	117	573	475	14 605	2 719	1 464	0	359	20 312
Crab	615	20	3 755	790	646	75	996	12	6 910
Other	101	123	70	273	28	2	2	251	850
Total	3 475	840	13 289	20 449	5 809	1 541	999	8 453	54 854
Molluscs									
Abalone	325	1 417	0	333	929	2 568	0	0	5 572
Scallops	0	292	3 687	3 457	0	4 554	2	22	12 014
Oysters	5 241	0	160	0	1 761	2 493	0	0	9 654
Squid	218	85	212	63	400	493	5	1 294	2 770
Other	1 192	1 106	14	875	1 591	449	342	156 f	5 725
Total	6 976	2 900	4 073	4 728	4 681	10 556	349	1 471	35 735
Other NEI	22	0	329	63	337	179	0	575	1 505
Total quantity	22 007	8 148	30 375	41 604	27 105	24 494	5 053	68 091 g	221 748 c

a State totals include estimates of aquaculture production but exclude hatchery. **b** Includes the southern bluefin tuna, eastern tuna and billfish, and southern and western tuna fisheries. **c** Total has been adjusted to allow for southern bluefin tuna caught in the Commonwealth southern bluefin tuna fishery, as an input to farms in South Australia. **d** Includes the fish component of Commonwealth fisheries, plus catch from Commonwealth fisheries that cannot be disaggregated due to confidentiality reasons. **e** Includes the northern prawn, Torres Strait, south east and other Commonwealth fisheries. **f** Includes octopus and cuttlefish from the south east and Great Australian Bight fisheries, pearl oyster from the Torres Strait fishery, and other Commonwealth fisheries. **g** Totals include all fisheries under federal jurisdiction.

Sources: ABARE; Australian Fisheries Management Authority; Marine and Freshwater Resources Institute; Melbourne Wholesale Fish Market; New South Wales Fisheries; New South Wales Fish Marketing Authority; Northern Territory Department of Primary Industry and Fisheries; Queensland Fisheries Service; Queensland Department of Primary Industries; South Australian Research and Development Institute; Tasmanian Department Primary Industries, Water and Environment; Department of Fisheries, Western Australia.

3 Australian fisheries production in 2000-01, by state ^{ap}

	NSW	Vic.	Qld	WA	SA	Tas.	NT	C'wlth	Aust.
<i>Value</i>	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish									
Tuna	112	0	0	109	263 793	1	46	124 114 b	328 815 c
Other	38 552	25 768	90 403	36 955	25 108	102 488	21 108	143 701 d	484 084
Total	38 664	25 768	90 403	37 064	288 901	102 489	21 154	267 815	812 899
Crustaceans									
Prawns	37 667	2 304	128 067	41 959	52 682	0	0	190 789 e	453 469
Rock lobster	4 489	21 809	4 943	304 057	83 097	55 578	0	7 118	481 091
Crab	4 102	601	27 057	6 462	4 236	2 643	10 341	20	55 461
Other	1 208	652	1 107	3 972	381	3	811	3 047	11 182
Total	47 467	25 366	161 174	356 450	140 396	58 224	11 152	200 975	1 001 203
Molluscs									
Abalone	15 200	70 619	0	18 632	42 688	128 969	0	0	276 108
Scallops	4	1 619	23 265	14 617	0	79	3	32	39 619
Oysters	31 621	0	442	0	11 011	12 007	0	0	55 080
Squid	905	618	1 066	181	2 429	377	4	6 267	11 847
Other	5 593	2 983	645	165 468	2 589	1 571	1 958	548 f	181 355
Total	53 323	75 839	25 418	198 898	58 717	143 002	1 965	6 847	564 010
Other NEI	30	0	605	509	4 322	8 425	34 500	1 117	49 508
Total value	139 484	126 973	277 600	592 921	492 336	312 140	68 770	476 755 g	2 427 619 c
<i>Quantity</i>	t	t	t	t	t	t	t	t	t
Fish									
Tuna	29	0	0	17	9 051	0	12	12 159 b	16 107 c
Other	11 747	4 635	13 867	14 763	12 422	13 864	4 678	44 142 d	120 118
Total	11 776	4 635	13 867	14 780	21 473	13 865	4 691	56 301	136 225
Crustaceans									
Prawns	2 868	178	9 454	3 138	2 988	0	0	11 400 e	30 026
Rock lobster	105	596	429	11 353	2 563	1 518	0	274	16 837
Crab	519	20	4 356	987	739	101	1 123	10	7 854
Other	95	134	86	281	27	1	85	294	1 002
Total	3 586	928	14 325	15 759	6 317	1 619	1 208	11 978	55 719
Molluscs									
Abalone	305	1 414	0	319	920	2 709	0	0	5 667
Scallops	1	810	4 744	3 565	0	46	1	31	9 197
Oysters	5 142	0	91	0	2 055	2 272	0	0	9 560
Squid	186	101	213	48	488	115	1	3 094	4 245
Other	1 408	1 302	31	1 222	1 776	399	201	182 f	6 521
Total	7 042	3 627	5 079	5 154	5 239	5 540	202	3 307	35 190
Other NEI	20	0	435	92	480	259	0	689	1 975
Total quantity	22 423	9 190	33 706	35 785	33 509	21 283	6 101	72 275 g	229 110 c

a State totals include estimates of aquaculture production but exclude hatchery. **b** Includes the southern bluefin tuna, eastern tuna and billfish, and southern and western tuna fisheries. **c** Total has been adjusted to allow for southern bluefin tuna caught in the Commonwealth southern bluefin tuna fishery, as an input to farms in South Australia. **d** Includes the fish component of Commonwealth fisheries, plus catch from Commonwealth fisheries that cannot be disaggregated due to confidentiality reasons. **e** Includes the northern prawn, Torres Strait, south east and other fisheries. **f** Includes octopus and cuttlefish from the south east and Great Australian Bight fisheries, pearl oyster from the Torres Strait fishery, and other Commonwealth fisheries. **g** Totals include all fisheries under federal jurisdiction. **p** Preliminary.
Sources: ABARE; Australian Fisheries Management Authority; Marine and Freshwater Resources Institute; Melbourne Wholesale Fish Market; New South Wales Fisheries; New South Wales Fish Marketing Authority; Northern Territory Department of Primary Industry and Fisheries; Queensland Fisheries Service; Queensland Department of Primary Industries; South Australian Research and Development Institute; Tasmanian Department of Primary Industries, Water and Environment; Department of Fisheries, Western Australia.

4 Australian fisheries production in 2001-02, by state ^{as}

	NSW	Vic.	Qld	WA	SA	Tas.	NT	C'wlth	Aust.
<i>Value</i>	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish									
Tuna	236	0	0	203	260 500	1	23	132 585 b	322 999 c
Other	41 399	26 783	94 194	40 243	27 981	115 789	19 855	172 730 d	538 974
Total	41 635	26 783	94 194	40 446	288 481	115 790	19 877	305 315	861 973
Crustaceans									
Prawns	32 964	1 391	134 400	46 380	47 731	0	0	158 648 e	421 513
Rock lobster	4 752	20 540	5 067	305 267	91 862	64 619	0	8 852	500 959
Crab	3 640	323	23 052	6 380	4 356	3 477	10 324	23	51 575
Other	1 956	695	990	2 707	377	3	554	3 797	11 079
Total	43 313	22 949	163 508	360 734	144 326	68 099	10 878	171 320	985 127
Molluscs									
Abalone	12 373	61 261	0	14 599	36 656	120 451	0	0	245 340
Scallops	0	1 283	15 077	6 574	0	0	4	86	23 024
Oysters	31 538	0	520	0	13 303	11 566	0	0	56 927
Squid	727	719	831	250	1 839	484	49	1 978	6 878
Other	4 924	3 981	228	191 246	2 393	1 492	1 148	510 f	205 922
Total	49 562	67 244	16 657	212 669	54 191	133 993	1 202	2 574	538 091
Other NEI	1 216	0	3 026	868	2 779	9 529	4 627	1 415	23 461
Total value	135 725	116 976	277 385	614 718	489 777	327 410	36 585	480 624 g	2 408 651 c
Quantity	t	t	t	t	t	t	t	t	t
Fish									
Tuna	52	0	0	27	9 245	0	6	11 806 b	15 903 c
Other	12 844	4 784	13 814	16 456	16 852	15 546	4 438	50 065 d	134 798
Total	12 896	4 784	13 814	16 483	26 097	15 546	4 444	61 871	150 702
Crustaceans									
Prawns	2 162	107	9 955	3 497	2 631	0	0	10 680 e	29 032
Rock lobster	103	472	436	9 050	2 392	1 522	0	330	14 304
Crab	424	10	3 592	990	705	108	1 121	7	6 957
Other	166	95	76	181	19	1	68	308	913
Total	2 854	684	14 059	13 718	5 747	1 630	1 189	11 325	51 206
Molluscs									
Abalone	281	1 423	0	296	885	2 928	0	0	5 813
Scallops	0	550	3 120	1 975	0	0	2	11	5 658
Oysters	4 916	0	116	0	2 425	2 188	0	0	9 644
Squid	123	100	165	66	340	105	9	1 386	2 294
Other	1 214	1 670	25	1 347	1 648	369	118	145 f	6 536
Total	6 535	3 743	3 426	3 684	5 298	5 590	129	1 541	29 946
Other NEI	19	0	335	72	270	146	0	650	1 493
Total quantity	22 304	9 211	31 634	33 956	37 412	22 912	5 763	75 387 g	233 346 c

a State totals include estimates of aquaculture production but exclude hatchery. **b** Includes the southern bluefin tuna, eastern tuna and billfish, and southern and western tuna fisheries. **c** Total has been adjusted to allow for southern bluefin tuna caught in the Commonwealth southern bluefin tuna fishery, as an input to farms in South Australia. **d** Includes the fish component of Commonwealth fisheries, plus catch from Commonwealth fisheries that cannot be disaggregated due to confidentiality reasons. **e** Includes the northern prawn, Torres Strait, south east and other fisheries. **f** Includes octopus and cuttlefish from the south east and Great Australian Bight fisheries, pearl oyster from the Torres Strait fishery, and other Commonwealth fisheries. **g** Totals include all fisheries under federal jurisdiction. **s** Estimates.

Sources: ABARE; Australian Fisheries Management Authority; Marine and Freshwater Resources Institute; Melbourne Wholesale Fish Market; New South Wales Fisheries; New South Wales Fish Marketing Authority; Northern Territory Department of Primary Industry and Fisheries; Queensland Fisheries Service; Queensland Department of Primary Industries; South Australian Research and Development Institute; Tasmanian Department of Primary Industries, Water and Environment; Department of Fisheries, Western Australia.

5 Australian fisheries production in 2001-02, by location of catch ^{as}

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Other ^b	Aust.
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish									
Tuna	24 601	50	24 955	10 323	333 575	7	23	12	322 999 ^c
Other	70 085	59 296	110 430	64 947	37 792	153 032	19 858	23 535	538 974
Total	94 686	59 346	135 385	75 270	371 368	153 038	19 881	23 548	861 973
Crustaceans									
Prawns	34 253	1 391	213 311	51 879	47 731	0	72 860	89	421 513
Rock lobster	4 752	20 540	13 911	305 267	91 862	64 619	8	0	500 959
Crab	3 642	326	23 052	6 380	4 360	3 489	10 324	1	51 575
Other	2 056	820	1 685	2 712	435	3	972	2 396	11 079
Total	44 703	23 077	251 960	366 238	144 389	68 111	84 163	2 487	985 127
Molluscs									
Abalone	12 373	61 261	0	14 599	36 656	120 451	0	0	245 340
Scallops	0	1 283	15 106	6 574	0	0	61	0	23 024
Oysters	31 538	0	520	0	13 303	11 566	0	0	56 927
Squid	807	972	1 471	272	1 990	554	64	746	6 878
Other	5 030	4 249	247	191 246	2 398	1 595	1 156	2	205 922
Total	49 749	67 765	17 344	212 692	54 347	134 166	1 282	748	538 091
Other NEI	1 216	0	3 026	868	2 779	9 529	4 627	1 415	23 461
Total value	190 353	150 188	407 715	655 068	572 882	364 844	109 953	28 197	2 408 651 ^{cd}
Quantity	t	t	t	t	t	t	t	t	t
Fish									
Tuna	2 184	4	2 277	991	15 672	2	6	1	15 903 ^c
Other	19 681	15 585	16 078	19 739	19 804	29 963	4 439	9 509	134 798
Total	21 865	15 589	18 355	20 730	35 476	29 966	4 445	9 511	150 702
Crustaceans									
Prawns	2 546	107	15 582	3 897	2 631	0	4 255	14	29 032
Rock lobster	103	472	766	9 050	2 392	1 522	0	0	14 304
Crab	424	11	3 592	990	706	111	1 121	0	6 957
Other	179	111	122	181	27	1	95	198	913
Total	3 251	701	20 062	14 118	5 756	1 634	5 471	213	51 206
Molluscs									
Abalone	281	1 423	0	296	885	2 928	0	0	5 813
Scallops	0	550	3 123	1 975	0	0	10	0	5 658
Oysters	4 916	0	116	0	2 425	2 188	0	0	9 644
Squid	196	326	362	86	476	168	14	666	2 294
Other	1 248	1 746	29	1 347	1 650	394	121	0	6 536
Total	6 641	4 046	3 630	3 704	5 436	5 679	144	666	29 946
Other NEI	19	0	335	72	270	146	0	650	1 493
Total quantity	31 776	20 336	42 382	38 624	46 937	37 424	10 060	11 040	233 346 ^{cd}

^a Commonwealth, state and territory production is allocated according to the state or territory waters in which the catch was taken. The totals include aquaculture production but exclude hatchery production. ^b Includes Commonwealth fisheries that have been aggregated for reasons of confidentiality – they are, North west slope, Western deep water, Southern squid, Jack mackerel, Macquarie Island, Heard and McDonald Islands, Coral Sea, Cocos and Christmas Islands fisheries. ^c Total has been adjusted to allow for southern bluefin tuna caught in the Commonwealth southern bluefin tuna fishery, as an input to farms in South Australia. ^d Totals include confidential Commonwealth landings and only sum across. ^e Estimates.

Sources: ABARE; Australian Fisheries Management Authority; Marine and Freshwater Resources Institute; Melbourne Wholesale Fish Market; New South Wales Fisheries; New South Wales Fish Marketing Authority; Northern Territory Department of Primary Industry and Fisheries; Queensland Department of Primary Industries; Queensland Fisheries Service; South Australian Research and Development Institute; Tasmanian Department of Primary Industries, Water and Environment; Department of Fisheries, Western Australia.

6 New South Wales fisheries production

	1999-2000		2000-01 ^p		2001-02 ^s	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Rock lobster	117	4 601	105	4 489	103	4 752
King prawns	959	19 313	1 090	22 924	1 057	22 435
School prawns	1 008	6 645	1 170	8 152	526	3 902
Other prawns	271	1 554	313	1 657	233	1 186
Crabs	615	4 350	519	4 102	424	3 640
Other	58	749	59	741	134	1 589
Total a	3 028	37 212	3 256	42 065	2 476	37 505
Molluscs						
Abalone	325	12 680	305	15 200	281	12 373
Scallops	0	0	1	4	0	0
Cuttlefish	206	547	182	472	220	498
Pipi	628	2 030	624	2 133	475	2 081
Octopus	264	1 674	511	2 640	368	1 689
Squid	218	888	186	905	123	727
Other	53	145	60	191	75	272
Total a	1 693	17 964	1 868	21 544	1 542	17 641
Fish						
Sea mullet	2 812	4 521	3 285	5 195	3 454	5 414
Silver trevally	310	848	271	797	330	844
Yellowtail kingfish	135	1 014	133	1 051	284	1 982
Jack mackerel	27	31	58	53	22	32
Black and yellowfin bream	320	2 765	300	2 684	281	2 647
Australian salmon	449	404	801	906	1 065	1 207
Snapper	290	2 585	284	2 453	249	2 104
Rubberlip morwong	101	385	83	326	81	305
Mulloway	79	656	66	492	59	456
Sand whiting	145	1 349	153	1 474	152	1 568
Luderick	541	667	513	692	470	734
School whiting	828	1 985	1 037	2 718	1 082	2 363
Dusky flathead	232	804	177	821	130	719
Golden perch	66	811	101	1 288	37	407
Other	4 645	13 930	3 991	12 646	4 573	14 931
Total a	10 980	32 754	11 253	33 600	12 269	35 712
Other NEI	22	33	20	30	19	1 168
Total wild caught	15 723	87 963	16 396	97 239	16 307	92 026
Aquaculture ^b						
Prawns	404	6 068	294	4 934	346	5 440
Yabbies	42	550	35	458	32	364
Oysters	5 241	30 089	5 142	31 621	4 916	31 538
Silver perch	240	2 268	230	2 115	278	2 450
Trout	267	2 047	205	1 526	251	2 020
Mussels	42	210	32	158	77	383
Barramundi	17	189	65	586	55	589
Snapper	1	9	13	138	24	220
Ornamentals	0	349	0	575	0	338
Other	30	262	11	134	19	357
Total	6 284	42 041	6 027	42 245	5 998	43 699
Total production	22 007	130 004	22 423	139 484	22 304	135 725

^a Excludes catches in the Commonwealth south east and eastern tuna and billfish fisheries. ^b Excludes hatchery production. ^p Preliminary. ^s Estimates. ^{na} Not available.

Sources: ABARE; New South Wales Fisheries; New South Wales Fish Marketing Authority.

7 Victorian fisheries production

	1999-2000		2000-01 p		2001-02 s	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Rock lobster	573	18 313	596	21 809	472	20 540
Prawns	124	1 564	178	2 304	107	1 391
Giant crabs	20	766	20	601	10	323
Other	108	385	111	398	64	357
Total	825	21 028	905	25 112	653	22 611
Molluscs						
Abalone	1 417	57 715	1 409	70 387	1 410	60 630
Scallops	292	584	810	1 619	550	1 283
Squid a	85	474	101	618	100	719
Octopus	51	181	51	187	29	105
Other	83	154	65	115	59	142
Total	1 928	59 108	2 436	72 926	2 148	62 879
Fish						
Pilchards	200	334	287	654	665	2 050
Bream	210	1 401	186	1 280	181	1 284
Sea garfish	124	497	132	534	109	447
Shark b	60	190	59	200	61	211
Snapper	61	421	83	561	72	519
Eels	137	1 439	175	1 836	167	1 394
Australian salmon	809	796	450	501	559	498
King george whiting	231	2 241	176	1 629	112	1 329
Other	896	2 459	1 210	2 769	1 123	3 015
Total	2 728	9 778	2 758	9 964	3 049	10 747
Other NEI	0	0	0	0	0	0
Total wild caught	5 481	89 914	6 099	108 002	5 850	96 237
Aquaculture c						
Mussels	972	2 362	1 186	2 681	1 582	3 734
Yabbies	15	174	23	254	31	338
Trout d	1 612	10 903	1 732	11 136	1 587	10 666
Eels e	45	447	68	678	43	433
Ornamental fish	0	2 673	0	2 713	0	3 006
Warmwater finfish f	23	337	77	1 277	105	1 931
Abalone	0	0	5	232	13	631
Other g	0	0	0	0	0	0
Total	2 667	16 896	3 091	18 971	3 361	20 739
Total production	8 148	106 810	9 190	126 973	9 211	116 976

a Arrow squid taken by machine jig are now being reported to the Commonwealth. b Shark data only includes Victorian bays and inlets and small quantities taken in ocean waters by non shark fishers operating in state proclaimed waters. c Excludes hatchery production. d Includes salmon production. e Eel production data are obtained from Victorian catch and effort monthly record, and may not be complete. f Includes Australian bass, barramundi, catfish, golden perch, murray cod and sliver perch. g Includes shrimps and aquatic worms. p Preliminary. s Estimates.

Sources: ABARE; Victorian Marine and Freshwater Resources Institute; Natural Resources and Environment; Melbourne Wholesale Fish Market.

PRODUCTION

8 Queensland fisheries production

	1999-2000		2000-01 ^p		2001-02 ^s	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Prawns	6 483	80 066	6 929	83 467	6 605	75 400
Crabs	3 755	22 139	4 356	27 057	3 592	23 052
Lobster (mainly bugs)	475	5 705	429	4 943	436	5 067
Total	10 714	107 909	11 714	115 467	10 633	103 518
Molluscs						
Scallops	3 687	18 669	4 744	23 265	3 120	15 077
Squid	212	1 070	213	1 066	165	831
Other	14	70	31	156	25	128
Total	3 913	19 809	4 988	24 487	3 310	16 037
Fish						
Snapper	97	837	104	885	94	786
Barramundi	868	6 211	874	6 191	813	5 719
Bream (including tarwhine)	182	754	199	817	156	630
Mullet	1 694	5 491	2 509	7 895	1 663	5 034
Tailor	139	466	240	802	222	667
Whiting	1 246	3 527	814	2 258	1 161	2 976
Coral trout	1 643	23 254	1 927	27 188	2 086	33 591
Red throat emperor	725	3 683	790	4 801	852	5 138
Blue threadfin	194	793	176	724	175	703
King threadfin	522	2 111	489	1 963	467	1 873
Shark	908	5 679	1 058	6 624	1 050	6 316
Spotted mackerel	314	1 883	412	2 480	167	1 001
Spanish mackerel	756	5 476	602	4 364	742	5 256
Grey mackerel	362	2 211	376	2 267	415	2 502
Other species	2 381	12 057	2 556	13 003	2 689	13 606
Total	12 030	74 434	13 124	82 261	12 753	85 799
Other NEI	401	1 094	530	936	408	801
Total wild caught	27 058	203 247	30 356	223 151	27 105	206 155
Aquaculture ^a						
Prawns	2 505	45 200	2 525	44 600	3 350	59 000
Barramundi	526	4 861	569	5 116	900	7 500
Oysters	160	674	91	442	116	520
Pearls	0	768	0	489	0	100
Silver perch	30	272	55	439	43	330
Jade perch	26	254	24	193	45	290
Redclaw	70	828	86	1 107	76	990
Other ^b	0	1 624	0	2 063	0	2 500
Total	3 317	54 481	3 350	54 449	4 530	71 230
Total production	30 375	257 728	33 706	277 600	31 634	277 385

^a Excludes hatchery production. ^b Includes eels and aquarium fish. ^p Preliminary. ^s Estimates. ^{na} Not available.
 Sources: ABARE; Queensland Fisheries Service; Queensland Department of Primary Industries.

9 Western Australian fisheries production

	1999-2000 ^s		2000-01 ^p		2001-02 ^s	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Rock lobster	14 605	385 612	11 353	304 057	9 050	305 267
Prawns	4 781	74 783	3 138	41 959	3 497	46 380
Crabs	790	4 405	987	6 462	990	6 380
Other	20	204	28	279	32	327
Total	20 196	465 004	15 506	352 757	13 569	358 354
Molluscs						
Abalone	333	16 340	319	18 632	296	14 599
Scallops	3 457	17 356	3 565	14 617	1 975	6 574
Squid	63	322	48	181	66	250
Other ^a	192	13 184	258	13 201	358	13 429
Total	4 045	47 202	4 190	46 631	2 695	34 852
Fish						
Tuna	34	203	17	109	27	203
Shark	1 456	3 609	1 618	4 122	1 816	4 315
Sharkfin	na	na	na	1 133	na	1 227
Australian salmon	2 598	1 299	2 414	870	2 621	1 127
Cobbler	306	1 126	227	700	220	759
WA jewfish (dhufish)	213	1 900	224	1 986	251	2 218
Spanish mackerel	338	2 115	350	2 221	436	2 758
Sea mullet	387	744	265	555	333	696
Yelloweye mullet	82	82	66	59	50	44
Pilchards	1 463	1 244	870	783	1 610	1 449
Australian herring	841	336	761	304	598	239
Whiting	260	1 017	228	955	175	701
Breams	109	429	103	392	107	431
Emperors	925	2 754	879	2 801	846	2 692
Pink snapper	740	2 364	835	3 941	851	4 017
Rockcods	331	1 546	287	1 370	279	1 313
Tropical snappers	1 273	6 631	1 384	6 547	1 572	7 547
Other	4 951	7 914	4 157	7 415	4 597	7 695
Total	16 307	35 313	14 685	36 263	16 389	39 431
Other NEI ^b	63	188	92	275	72	214
Total wild caught	40 611	547 707	34 473	435 926	32 725	432 851
Aquaculture ^c						
Pearls	na	189 700	na	150 000	na	175 000
Yabbies	211	2 781	201	2 510	102	1 281
Marron	42	950	52	1 183	47	1 099
Mussels	683	1 686	964	2 267	989	2 817
Fish	57	460	95	679	94	894
Gold fish / koi carp	na	124	na	122	na	122
Ornamental	na	44	na	130	na	399
Other ^d	na	142	na	104	na	255
Total	993	195 887	1 312	156 995	1 231	181 867
Total production	41 604	743 594	35 785	592 921	33 956	614 718

^a Value includes pearl oyster taken, including those taken for 'mother of pearl', and mussels. ^b Includes beche de mer, sea urchins etc. Previously reported under molluscs other. ^c Aquaculture excludes algae production for betacarotene and hatchery production. Some quantity data not available due to confidentiality restrictions. ^d Includes other molluscs and crustaceans. ^p Preliminary. ^s Estimates. ^{na} Not available.

Sources: ABARE; Department of Fisheries, Western Australia.

PRODUCTION

10 South Australian fisheries production

	1999-2000		2000-01 p		2001-02 s	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Prawns	2 416	43 771	2 988	52 682	2 631	47 731
Rock lobster	2 719	81 049	2 563	83 097	2 392	91 862
Crab	646	3 544	739	4 236	705	4 356
Other	0	0	2	13	0	0
Total	5 781	128 364	6 292	140 028	5 728	143 949
Molluscs						
Abalone	889	32 394	867	40 011	851	34 755
Pipi (Goolwa cockle)	1 085	904	1 250	1 193	1 085	1 048
Squid	400	1 981	488	2 429	340	1 839
Other	425	979	414	1 136	392	974
Total	2 799	36 258	3 020	44 769	2 668	38 616
Fish a						
Australian salmon	461	568	583	773	456	552
Mullet	224	433	199	473	212	502
Australian herring	302	359	231	305	262	328
Snapper	576	3 246	577	3 340	648	3 314
King george whiting	517	4 847	453	4 809	390	4 684
Garfish	476	1 903	532	1 998	470	2 028
Leather jackets	316	579	260	501	395	583
Pilchard	3 836	2 685	7 368	5 157	12 165	8 516
Yellowfin whiting	112	555	152	718	148	863
Snook	93	220	106	233	99	242
Callop (golden perch)	97	950	173	1 428	97	475
Other species	1 201	2 019	1 510	2 454	1 165	2 453
Total	8 211	18 364	12 145	22 189	16 507	24 540
Other NEI	0	0	0	0	0	0
Total wild caught	16 791	182 986	21 456	206 986	24 903	207 105
Aquaculture b						
Atlantic salmon	0	0	0	0	64	596
Yabbies	16	156	17	172	8	95
Marron	12	304	8	196	11	282
Oysters	1 761	9 389	2 055	11 011	2 425	13 303
Southern bluefin tuna	7 780	202 000	9 051	263 793	9 245	260 500
Barramundi	279	3 330	264	2 743	255	2 653
Trout	8	49	13	176	26	192
Abalone	40	2 000	53	2 677	34	1 901
Mussels	81	173	111	260	171	371
Other c	337	2 828	480	4 322	270	2 779
Total	10 314	220 229	12 052	285 350	12 509	282 672
Total production	27 105	403 215	33 509	492 336	37 412	489 777

a Excludes shark from the southern shark fishery. b Excludes hatchery production. c Includes snapper, microalgae, murray cod, yellowtail, callop (golden perch) and aquarium fish. p Preliminary. s Estimates.
 Sources: ABARE; South Australian Research and Development Institute.

11 Tasmanian fisheries production

	1999-2000		2000-01 p		2001-02 s	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Rock lobster	1 464	44 761	1 518	55 578	1 522	64 619
Giant crab	75	1 887	101	2 643	108	3 477
Other	2	3	1	3	1	3
Total	1 541	46 651	1 619	58 224	1 630	68 099
Molluscs						
Abalone	2 568	99 596	2 709	128 969	2 928	120 451
Octopus	61	256	62	331	63	340
Scallop	4 554	6 353	46	79	0	0
Other	641	1 433	236	858	194	878
Total	7 824	107 638	3 053	130 237	3 185	121 669
Fish a						
Australian salmon	364	1 477	485	509	461	1 217
Cod	9	10	4	7	3	5
Garfish	91	349	81	322	84	351
Banded morwong	34	330	39	423	52	586
Jackass morwong	16	24	13	25	15	27
Elephant shark	17	25	17	26	18	40
Bastard trumpeter	35	106	26	82	24	84
Striped trumpeter	88	499	42	232	40	281
School whiting	32	48	43	64	40	63
Wrasse	85	502	88	625	90	665
Shark	147	777	92	446	70	284
Other	395	889	211	481	359	710
Total	1 312	5 035	1 141	3 242	1 254	4 314
Other NEI	179	7 802	259	5 425	146	5 529
Total wild caught	10 856	167 126	6 071	197 128	6 216	199 610
Aquaculture b						
Salmonids c	10 907	84 845	12 724	99 247	14 292	111 476
Oysters	2 493	13 176	2 272	12 007	2 188	11 566
Mussels	239	837	216	758	217	758
Other d	0	1 500	0	3 000	0	4 000
Total	13 639	100 358	15 211	115 012	16 697	127 800
Total production	24 494	267 484	21 283	312 140	22 912	327 410

a Excludes shark from the Commonwealth southern shark fishery; includes jack mackerel. **b** Excludes hatchery production. **c** Includes Atlantic salmon and ocean trout, weight in HOGG (head on, gilled and gutted). **d** Includes scallops, native oysters, seahorses and abalone. **p** Preliminary. **s** Estimates. **na** Not available.

Sources: ABARE; Tasmanian Department of Primary Industries, Water and Environment.

PRODUCTION

12 Northern Territory fisheries production

	1999-2000		2000-01 p		2001-02 s	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Crab	996	12 046	1 123	10 341	1 121	10 324
Other	2	16	85	811	68	554
Total	999	12 062	1 208	11 152	1 189	10 878
Molluscs						
Scallops	2	5	1	3	2	4
Squid	5	19	1	4	9	49
Other	342	3 275	201	1 958	118	1 148
Total	349	3 299	202	1 965	129	1 202
Fish						
Tuna	9	38	12	46	6	23
Shark	453	2 213	510	2 401	489	2 250
Snapper	206	1 225	284	1 738	253	1 469
Barramundi	878	4 506	1 041	5 510	970	5 126
Threadfin salmon	298	553	430	868	366	743
Jewfish (mullovey)	93	228	142	332	132	330
Emperor	71	344	136	806	91	533
Cod	22	110	33	171	29	152
Mackerel	546	2 164	622	2 562	940	3 645
Gold band snapper	268	1 245	388	1 991	326	1 942
Sea perch	717	3 655	872	4 047	656	3 043
Other	145	387	222	682	185	621
Total	3 705	16 667	4 691	21 154	4 444	19 877
Other NEI	0	0	0	0	0	0
Total wild caught	5 053	32 028	6 101	34 270	5 763	31 958
Aquaculture a	0	55 000	0	34 500	0	4 627 b
Total production	5 053	87 028	6 101	68 770	5 763	36 585

a Includes pearls and aquarium production. These values are based on derived estimates from a limited number of operators. Excludes hatchery production. Quantities not available due to confidentiality restrictions. **b** Harvesting of pearls in 2000-01 occurred in July and June, leaving no harvests in 2001-02. **p** Preliminary. **s** Estimates. **na** Not available.
Sources: ABARE; Northern Territory Department of Primary Industry and Fisheries.

13 Commonwealth fisheries production

	1999-2000		2000-01 p		2001-02 s	
	t	\$'000	t	\$'000	t	\$'000
Northern prawn						
Prawn						
Tiger	2 195	61 504	2 116	65 603	1 958	48 321
Banana	2 222	31 010	6 286	84 854	5 419	71 910
Endeavour	972	13 412	868	11 933	1 132	13 130
King	12	169	7	94	2	31
Other prawns	2	33	2	25	1	7
Total prawns	5 403	106 127	9 278	162 511	8 512	133 399
Other species	202	1 235	473	2 158	230	1 236
Total	5 605	107 362	9 752	164 668	8 742	134 635
Torres Strait						
Prawn						
Tiger	531	11 691	591	13 873	705	13 495
Endeavour	1 191	14 287	1 145	12 026	888	8 213
King	79	1 145	64	982	167	2 106
Other prawns	1	7	3	7	3	22
Other a	70	314	57	669	73	709
Total	1 871	27 445	1 861	27 557	1 836	24 545
Tropical rock lobster	359	5 389	274	7 117	330	8 844
Spanish mackerel						
Spanish mackerel	251	1 543	251	1 715	120	639
Other mackerel	29	90	27	115	13	148
Total	279	1 633	278	1 830	133	787
Pearls	0	0	0	0	0	0
Total	2 510	34 466	2 412	36 504	2 300	34 176
South east – trawl bc						
Orange roughy	4 015	14 012	4 186	14 107	3 398	12 402
Blue grenadier	9 493	21 264	7 561	9 754	9 156	18 038
Tiger flathead	3 485	7 319	2 631	6 235	2 855	11 934
Redfish	1 009	1 220	774	1 346	864	1 175
Blue warehou	375	747	363	838	329	499
Silver warehou	2 849	3 020	3 792	5 119	3 657	5 486
School whiting	385	732	496	621	509	1 533
Jackass morwong	822	1 554	919	1 681	796	1 647
Ling	1 743	6 381	1 465	6 550	1 178	3 605
Gemfish	447	1 431	456	1 784	220	848
Silver trevally	72	157	121	391	144	294
Mirror dory	276	591	239	705	406	795
Royal red prawn	450	1 251	283	1 064	378	1 250
Ocean perch	363	1 049	373	567	307	901
John dory	159	841	143	1 145	136	791
Blue eye	105	718	103	727	68	384
Gummy shark	71	229	90	298	108	521
School shark	44	160	33	127	32	167
Saw shark	0	0	50	135	77	164
Elephant fish	8	12	8	14	10	16
Other	4 319	9 373	4 527	10 604	3 630	7 508
Total	30 491	72 059	28 614	63 814	28 256	69 959

Continued

PRODUCTION

13 Commonwealth fisheries production *(continued)*

	1999-2000		2000-01 p		2001-02 s	
	t	\$'000	t	\$'000	t	\$'000
South east – nontrawl c						
Blue eye	512	3 490	580	4 098	411	2 333
Blue warehou	225	447	37	86	23	35
Ling	296	1 084	231	1 032	457	2 317
Gummy shark	1	2	1	4	41	218
School shark	2	6	1	6	10	57
Saw shark	0	0	0	0	2	5
Elephant fish	0	0	0	1	2	4
Other	200	563	160	550	216	653
Total	1 235	5 593	1 010	5 777	1 162	5 620
Total south east	31 727	77 651	29 624	69 591	29 418	75 579
South Tasman Rise	346	835	762	2 325	311	920
Southern shark c						
School shark	451	1 710	289	1 249	307	1 784
Gummy shark	1 748	6 624	2 409	10 406	2 269	12 183
Saw shark	246	651	341	930	258	549
Elephant fish	56	83	80	136	72	110
Other shark	194	368	283	513	197	532
Other species	31	87	38	111	54	141
Total	2 726	9 522	3 439	13 344	3 157	15 298
Great Australian Bight c						
Orange roughy	822	2 870	296	998	358	1 307
King flathead	555	1 266	783	2 082	918	2 589
Bight redfish	328	864	398	620	229	309
Leather jacket	108	295	150	470	119	274
Angel shark	98	234	71	128	118	325
Boarfish	56	149	39	101	104	215
Jackass morwong	94	178	59	108	44	90
Squid	22	29	58	123	46	51
Knifejaw	31	35	32	36	34	28
Gemfish	132	423	82	320	43	166
Blue grenadier	12	28	15	19	17	34
Queen snapper	23	30	24	125	23	67
Spotted trevalla	29	31	12	16	1	2
School shark	1	6	2	9	1	6
Gummy shark	10	34	15	50	32	154
Saw shark	24	63	32	89	34	72
Elephant fish	1	1	0	0	0	0
Other	141	312	187	461	306	665
Total	2 489	6 847	2 254	5 755	2 428	6 354

Continued

13 Commonwealth fisheries production (continued)

	1999-2000		2000-01 ^p		2001-02 ^s	
	t	\$'000	t	\$'000	t	\$'000
Eastern tuna and billfish – longline and minor line						
Yellowfin	1 307	17 292	1 922	25 254	2 463	29 309
Skipjack	5	8	3	5	8	13
Albacore	363	604	398	787	666	1 439
Bigeye	678	12 162	998	16 169	1 019	16 747
Billfish	2 604	18 200	2 573	18 304	3 129	27 907
Other	578	1 612	745	2 176	1 064	3 529
Total	5 536	49 878	6 638	62 696	8 349	78 943
Eastern tuna and billfish – purse seine and pole						
Yellowfin	0	0	5	71	1	7
Skipjack	4 492	6 963	1 544	2 749	194	313
Other	0	0	0	0	12	28
Total	4 493	6 964	1 549	2 821	207	347
Total east coast	10 028	56 842	8 187	65 516	8 556	79 290
Southern bluefin tuna	5 263	56 517	5 282	62 134	5 296	72 432
Western and southern tuna						
Albacore	25	54	66	231	71	124
Skipjack	402	622	973	1 732	1 154	1 858
Yellowfin	354	4 804	605	8 845	429	3 864
Bigeye	554	9 122	352	5 946	458	6 130
Other tuna	21	28	1	13	25	63
Billfish	1 409	14 130	2 139	17 198	1 992	21 245
Other species	95	300	170	497	171	399
Total	2 859	29 061	4 305	34 462	4 300	33 684
Bass Strait scallop	0	0	0	0	0	0
Other fisheries ^d	4 538	22 565	6 258	22 455	10 880	28 256
Total production	68 091	401 668	72 275	476 755	75 387	480 624

^a Mainly Morten Bay bugs, scallops and squid. ^b Includes Victorian inshore trawl fishery since 2000-01. ^c Shark converted to whole weight. ^d Includes north west slope, western deepwater, southern squid, jack mackerel, Macquarie Island, Coral Sea, Cocos and Christmas Islands, Heard and MacDonald Islands, east coast deepwater, and Norfolk Island fisheries. ^p Preliminary. ^s Estimates.

Sources: Australian Fisheries Management Authority; ABARE.

14 Australian aquaculture production in 1999-2000, by state ^a

Value	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust.
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish								
Salmon	0	0	0	0	0	84 845	na	84 845
Trout	2 047	10 903 b	0	0	49	0	na	12 999
Tuna	0	0	0	0	202 000	0	na	202 000
Silver perch	2 268	0	272	0	0	0	na	2 540
Barramundi	189	0	4 861	0	3 330	0	na	8 380
Other ^c	601	3 457	1 878	584	0	0	na	6 520
Total	5 104	14 360	7 011	584	205 379	84 845	0	317 283
Crustaceans								
Prawn	6 068	0	45 200	0	0	0	na	51 268
Yabbies	550	174	0	2 781	156	0	na	3 661
Marron	0	0	0	950	304	0	na	1 254
Redclaw	16	0	828	0	0	0	na	844
Total	6 638	174	46 028	3 731	460	0	0	57 031
Molluscs								
Edible oysters	30 089	0	674	0	9 389	13 176	na	53 328
Pearl oysters	0	0	768	189 700	0	0	na	190 468
Mussels	210	2 362	0	1 686	173	837	na	5 268
Other ^d	0	0	0	0	2 000	0	na	2 000
Total	30 299	2 362	1 442	191 386	11 562	14 013	0	251 064
Other NEI ^e	0	0	0	186	2 828	1 500	55 000	59 514
Total value	42 041	16 896	54 481	195 887	220 229	100 358	55 000	684 892
Quantity	t	t	t	t	t	t	t	t
Fish								
Salmon	0	0	0	0	0	10 907	na	10 907
Trout	267	1 612 b	0	0	8	0	na	1 887
Tuna	0	0	0	0	7 780	0	na	7 780
Silver perch	240	0	30	0	0	0	na	270
Barramundi	17	0	526	0	279	0	na	822
Other ^c	30	68	26	57	0	0	na	181
Total	555	1 680	582	57	8 067	10 907	0	21 848
Crustaceans								
Prawn	404	0	2 505	0	0	0	na	2 909
Yabbies	42	15	0	211	16	0	na	284
Marron	0	0	0	42	12	0	na	54
Redclaw	1	0	70	0	0	0	na	71
Total	447	15	2 575	253	28	0	0	3 318
Molluscs								
Edible oysters	5 241	0	160	0	1 761	2 493	na	9 654
Pearl oysters	0	0	0	na	0	0	na	0
Mussels	42	972	0	683	81	239	na	2 017
Other ^d	0	0	0	0	40	0	0	40
Total	5 283	972	160	683	1 882	2 732	0	11 711
Other NEI ^e	0	0	0	0	337	0	0	337
Total quantity	6 284	2 667	3 317	993	10 314	13 639	0	37 214

^a Excludes hatchery production, crocodiles, microalgae and aquarium worms. ^b Includes salmon production. ^c Includes eels, other native fish and aquarium fish. ^d Includes scallops, giant clams and abalone. ^e Includes aquaculture production not elsewhere specified due to confidentiality restrictions. In Victoria, this includes abalone, warmwater finfish, ornamental fish, other shellfish, shrimps and aquatic worms. In Western Australia, this includes some other crustaceans and molluscs not specified above. In South Australia, this includes snapper, Atlantic salmon, microalgae, aquarium species, murray cod and callop. Total only sums across. **na** Not available.

Sources: ABARE; Qld Bribie Island Aquaculture Research Centre; Vic. Marine and Freshwater Resources Institute; NSW Fisheries; NT Department of Primary Industries and Fisheries; SA Research and Development Institute; Tas. Department of Primary Industries, Water and Environment; Department of Fisheries, WA.

15 Australian aquaculture production in 2000-01, by state ^{ap}

Value	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust.
\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish								
Salmon	0	0	0	0	0	99 247	na	99 247
Trout	1 526	11 136 b	0	0	176	0	na	12 838
Tuna	0	0	0	0	263 793	0	na	263 793
Silver perch	2 115	0	439	0	0	0	na	2 554
Barramundi	586	0	5 116	0	2 743	0	na	8 445
Other c	837	4 668	2 256	801	0	0	na	8 562
Total	5 064	15 804	7 811	801	266 712	99 247	0	395 439
Crustaceans								
Prawn	4 934	0	44 600	0	0	0	na	49 534
Yabbies	458	254	0	2 510	172	0	na	3 394
Marron	0	0	0	1 183	196	0	na	1 379
Redclaw	9	0	1 107	0	0	0	na	1 116
Total	5 402	254	45 707	3 693	368	0	0	55 424
Molluscs								
Edible oysters	31 621	0	442	0	11 011	12 007	na	55 080
Pearl oysters	0	0	489	150 000	0	0	na	150 489
Mussels	158	2 681	0	2 267	260	758	na	6 124
Other d	0	232	0	0	2 677	0	na	2 909
Total	31 778	2 913	931	152 267	13 948	12 765	0	214 602
Other NEI e	0	0	0	234	4 322	3 000	34 500	42 056
Total value	42 245	18 971	54 449	156 995	285 350	115 012	34 500	707 521
Quantity	t	t	t	t	t	t	t	t
Fish								
Salmon	0	0	0	0	0	12 724	na	12 724
Trout	205	1 732 b	0	0	13	0	na	1 950
Tuna	0	0	0	0	9 051	0	na	9 051
Silver perch	230	0	55	0	0	0	na	285
Barramundi	65	0	569	0	264	0	na	898
Other c	24	145	24	95	0	0	na	288
Total	523	1 877	648	95	9 328	12 724	0	25 195
Crustaceans								
Prawn	294	0	2 525	0	0	0	na	2 819
Yabbies	35	23	0	201	17	0	na	276
Marron	0	0	0	52	8	0	na	60
Redclaw	1	0	86	0	0	0	na	87
Total	330	23	2 611	253	25	0	0	3 242
Molluscs								
Edible oysters	5 142	0	91	0	2 055	2 272	na	9 560
Pearl oysters	0	0	0	na	0	0	na	0
Mussels	32	1 186	0	964	111	216	na	2 509
Other d	0	5	0	0	53	0	0	58
Total	5 174	1 191	91	964	2 219	2 488	0	12 126
Other NEI e	0	0	0	0	480	0	0	480
Total quantity	6 027	3 091	3 350	1 312	12 052	15 211	0	41 044

a Excludes hatchery production, crocodiles, microalgae and aquarium worms. **b** Includes salmon production. **c** Includes eels, other native fish and aquarium fish. **d** Includes scallops, giant clams and abalone. **e** Includes aquaculture production not elsewhere specified due to confidentiality restrictions. In Victoria, this includes abalone, warmwater finfish, ornamental fish, other shellfish, shrimps and aquatic worms. In Western Australia, this includes some other crustaceans and molluscs not specified above. In South Australia, this includes snapper, Atlantic salmon, microalgae, aquarium species, murray cod and callop. Total only sums across. **p** Preliminary. **na** Not available.

Sources: ABARE; Qld Bribie Island Aquaculture Research Centre; Vic. Marine and Freshwater Resources Institute; NSW Fisheries; NT Department of Primary Industries and Fisheries; SA Research and Development Institute; Tas. Department of Primary Industries, Water and Environment; Department of Fisheries, WA.

16 Australian aquaculture production in 2001-02, by state as

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust.
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish								
Salmon	0	0	0	0	596	111 476	na	112 072
Trout	2 020	10 666 b	0	0	192	0	na	12 878
Tuna	0	0	0	0	260 500	0	na	260 500
Silver perch	2 450	0	330	0	0	0	na	2 780
Barramundi	589	0	7 500	0	2 653	0	na	10 742
Other c	864	5 370	290	1 015	0	0	na	7 539
Total	5 923	16 036	8 120	1 015	263 941	111 476	0	406 511
Crustaceans								
Prawn	5 440	0	59 000	0	0	0	na	64 440
Yabbies	364	338	0	1 281	95	0	na	2 078
Marron	0	0	0	1 099	282	0	na	1 381
Redclaw	3	0	990	0	0	0	na	993
Total	5 807	338	59 990	2 380	377	0	0	68 892
Molluscs								
Edible oysters	31 538	0	520	0	13 303	11 566	na	56 927
Pearl oysters	0	0	100	175 000	0	0	na	175 100
Mussels	383	3 734	0	2 817	371	758	na	8 063
Other d	0	631	0	0	1 901	0	na	2 532
Total	31 921	4 365	620	177 817	15 575	12 324	0	242 622
Other NEI e	47	0	2 500	654	2 779	4 000	4 627	14 608
Total value	43 699	20 739	71 230	181 867	282 672	127 800	4 627	732 633
Quantity	t	t	t	t	t	t	t	t
Fish								
Salmon	0	0	0	0	64	14 292	na	14 356
Trout	251	1 587 b	0	0	26	0	na	1 864
Tuna	0	0	0	0	9 245	0	na	9 245
Silver perch	278	0	43	0	0	0	na	321
Barramundi	55	0	900	0	255	0	na	1 210
Other c	43	148	45	94	0	0	na	330
Total	628	1 735	988	94	9 590	14 292	0	27 326
Crustaceans								
Prawn	346	0	3 350	0	0	0	na	3 696
Yabbies	32	31	0	102	8	0	na	173
Marron	0	0	0	47	11	0	na	58
Redclaw	0	0	76	0	0	0	na	76
Total	377	31	3 426	149	19	0	0	4 002
Molluscs								
Edible oysters	4 916	0	116	0	2 425	2 188	na	9 644
Pearl oysters	0	0	0	na	0	0	na	0
Mussels	77	1 582	0	989	171	217	na	3 035
Other d	0	13	0	0	34	0	0	47
Total	4 993	1 595	116	989	2 630	2 405	0	12 727
Other NEI e	0	0	0	0	270	0	na	270
Total quantity	5 998	3 361	4 530	1 231	12 509	16 697	0	44 325

a Excludes hatchery production, crocodiles, microalgae and aquarium worms. **b** Includes salmon production. **c** Includes eels, other native fish and aquarium fish. **d** Includes scallops, giant clams and abalone. **e** Includes aquaculture production not elsewhere specified due to confidentiality restrictions. In Victoria, this includes abalone, warmwater finfish, ornamental fish, other shellfish, shrimps and aquatic worms. In Western Australia, this includes some other crustaceans and molluscs not specified above. In South Australia, this includes snapper, microalgae, aquarium species, murray cod and callop. Total only sums across. **s** Estimates. **na** Not available.

Sources: ABARE; Qld Bribie Island Aquaculture Research Centre; Vic. Marine and Freshwater Resources Institute; NSW Fisheries; NT Department of Primary Industries and Fisheries; SA Research and Development Institute; Tas. Department of Primary Industries, Water and Environment; Department of Fisheries, WA.

17 Australian exports of fisheries products

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Edible						
Fish						
Live	na	23 593	na	41 585	na	47 271
Fresh, chilled or frozen						
Whole						
Tuna a	10 221	205 693	12 171	264 486	13 503	319 215
Other	8 079	40 622	7 463	44 320	10 683	64 315
Fillets	4 925	41 635	3 308	25 334	3 996	27 385
Canned	847	4 666	762	4 482	773	5 165
Dried, salted and smoked	394	14 019	291	15 703	178	15 958
Other fish products	3 117	62 854	4 106	82 443	2 263	22 517
Total fish b	27 582	393 083	28 102	478 353	31 393	501 826
Crustaceans and molluscs						
Rock lobster	15 490	577 657	13 345	532 648	10 942	492 608
Prawns	11 630	243 789	12 124	291 048	11 925	262 827
Abalone	3 808	223 415	3 543	249 277	4 010	263 128
Scallops	1 655	42 012	2 145	53 405	1 488	34 433
Oysters	152	2 884	246	6 283	219	3 501
Crabs	2 292	23 451	2 677	33 015	2 256	29 863
Other	1 300	29 870	2 525	72 748	2 058	73 468
Total	36 327	1 143 079	36 605	1 238 424	32 898	1 159 827
Total edible b	63 910	1 536 161	64 707	1 716 777	64 291	1 661 653
Nonedible						
Marine fats and oils	na	1 260	na	3 766	na	1 545
Fish meal	na	9 302	na	23 603	na	26 967
Pearls c	na	436 361	na	419 396	na	404 413
Ornamental fish	na	1 817	na	2 169	na	2 040
Other nonedible	na	3 036	na	2 950	na	3 503
Total nonedible	na	451 776	na	451 884	na	438 466
Total fisheries products	na	1 987 937	na	2 168 661	na	2 100 120

a Exports of tuna landed in Australia. b Excludes live tonnage but includes live value. c From 1999-2000 value of pearl exports includes items temporarily exported. p Preliminary. na Not available.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

EXPORTS

18 Australian exports of fish

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Tuna a						
Whole						
Fresh or chilled	6 022	100 510	8 094	147 683	8 384	165 037
Frozen	4 199	105 183	4 077	116 803	5 119	154 178
Canned	414	2 393	391	2 299	135	1 219
Other	1 947	51 248	2 199	65 146	214	5 406
Total	12 582	259 333	14 760	331 931	13 849	325 840
Salmon						
Whole						
Fresh or chilled	660	5 659	986	12 407	1 470	13 522
Frozen	147	2 579	494	4 070	127	1 434
Smoked	47	940	103	1 661	29	807
Canned	30	345	66	568	27	389
Total	883	9 523	1 649	18 706	1 653	16 151
Other fish						
Live	na	23 593	na	41 585	na	47 271
Whole						
Fresh or chilled	1 027	10 279	1 249	13 427	2 234	27 193
Frozen						
Whiting	1 142	3 007	1 209	2 943	933	2 261
Other	5 103	19 097	3 524	11 473	5 920	19 906
Fillets						
Fresh or chilled	669	4 756	654	7 300	645	6 663
Frozen	4 255	36 879	2 654	18 034	3 350	20 722
Other (fresh, chilled or frozen)	1 159	11 115	1 871	16 140	1 985	15 176
Canned	404	1 929	305	1 615	611	3 557
Dried, salted and smoked	347	13 079	189	14 042	149	15 151
Other	11	491	36	1 157	63	1 935
Total b	14 117	124 226	11 692	127 716	15 891	159 836
Total fish b	27 582	393 083	28 102	478 353	31 393	501 826

a Exports of tuna landed in Australia. b Excludes live tonnage but includes live value. p Preliminary. na Not available.
Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

19 Australian exports of crustaceans and molluscs

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Rock lobster						
Whole						
Live, fresh or chilled	8 080	295 755	7 670	317 708	6 649	307 341
Frozen	988	34 647	1 175	42 134	788	28 941
Cooked	4 280	141 734	3 037	100 942	2 261	84 109
Tails (fresh, chilled or frozen)	1 693	95 289	1 037	60 309	870	65 362
Other	448	10 231	426	11 554	374	6 855
Total	15 490	577 657	13 345	532 648	10 942	492 608
Prawns						
Headless	926	20 540	1 005	25 162	785	18 607
Whole	10 096	209 386	10 789	258 481	10 870	239 367
Other	608	13 863	330	7 405	270	4 853
Total	11 630	243 789	12 124	291 048	11 925	262 827
Crabs						
Fresh, frozen or cooked	2 292	23 451	2 666	32 594	2 255	29 843
Other	0	0	11	421	1	19
Total	2 292	23 451	2 677	33 015	2 256	29 863
Abalone						
Fresh, chilled or frozen	1 691	102 462	1 883	133 772	2 735	181 754
Canned	2 118	120 953	1 660	115 505	1 275	81 374
Total	3 808	223 415	3 543	249 277	4 010	263 128
Scallops						
Fresh, chilled or frozen	1 629	40 641	2 058	49 501	1 403	31 639
Other	26	1 371	87	3 904	85	2 794
Total	1 655	42 012	2 145	53 405	1 488	34 433
Other	1 452	32 754	2 771	79 031	2 277	76 968
Total crustaceans and molluscs	36 327	1 143 079	36 605	1 238 424	32 898	1 159 827

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

20 Australian exports of edible fish, by destination

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Tuna a						
Fresh or chilled (whole)						
Chinese Taipei	18	156	19	134	3	46
Japan	4 967	91 621	6 734	131 330	7 422	152 424
Singapore	9	77	9	77	4	40
Thailand	14	71	40	133	77	148
United States	988	8 247	1 251	15 659	836	12 043
Other	26	338	41	349	42	337
Total	6 022	100 510	8 094	147 683	8 384	165 037
Frozen (whole)						
Japan	3 867	101 920	3 856	115 105	4 845	153 018
Samoa	40	143	25	74	13	45
Thailand	32	65	85	262	174	526
United States	233	2 752	50	647	36	387
Other	26	302	61	716	51	201
Total	4 199	105 183	4 077	116 803	5 119	154 178
Salmon						
Fresh or chilled (whole)						
Chinese Taipei	0	0	2	56	1	35
Hong Kong, China	0	0	1	24	14	268
Indonesia	0	5	32	269	52	385
Japan	657	5 609	904	11 235	1 220	11 139
Korea, Rep. of	0	0	1	25	0	0
Singapore	1	9	11	139	14	181
United States	0	0	32	589	156	1 377
Other	2	37	4	70	12	137
Total	660	5 659	986	12 407	1 470	13 522
Frozen (whole)						
Chinese Taipei	20	609	0	0	0	13
Hong Kong, China	3	50	1	30	9	178
Japan	92	1 242	433	3 153	97	855
Korea, Rep. of	2	42	6	116	0	1
Thailand	4	89	8	184	5	113
United States	1	13	31	352	1	10
Other	25	535	15	234	15	264
Total	147	2 579	494	4 070	127	1 434
Whiting						
Frozen (whole)						
Chinese Taipei	7	34	0	6	0	0
Egypt	28	30	59	84	0	0
Hong Kong, China	16	35	2	23	16	34
Japan	85	407	24	122	33	72
Thailand	799	2 168	1 047	2 554	758	1 800
United States	0	0	15	54	0	0
Viet Nam	69	120	33	73	0	0
Other	138	213	29	26	126	355
Total	1 142	3 007	1 209	2 943	933	2 261

Continued

20 Australian exports of edible fish, by destination *(continued)*

	1999-2000		2000-01		2001-02 ^p	
	t	\$'000	t	\$'000	t	\$'000
Canned						
Tuna						
New Zealand	395	2 291	326	1 899	112	915
Singapore	13	66	24	132	0	2
Other	6	36	41	268	23	301
Total	414	2 393	391	2 299	135	1 219
Salmon						
New Zealand	8	134	21	244	17	249
Singapore	5	58	4	39	4	47
Other	17	153	42	285	7	92
Total	30	345	66	568	27	389
Other fish						
New Zealand	201	1 269	99	959	183	1 162
Singapore	8	141	42	346	120	899
Other	194	519	164	309	308	1 496
Total	404	1 929	305	1 615	611	3 557

^a Exports of tuna landed in Australia. ^p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

21 Australian exports of crustaceans, by destination

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Rock lobster						
Whole						
Live, fresh or chilled						
China	99	3 709	49	2 305	180	8 362
Chinese Taipei	1 442	51 144	1 294	49 615	881	37 357
France	127	4 642	69	2 783	78	3 120
Hong Kong, China	4 589	164 962	4 515	191 327	3 938	187 254
Japan	1 655	64 528	1 609	65 683	1 413	63 115
Singapore	52	2 009	55	2 149	45	2 110
United States	59	2 397	20	1 317	52	2 943
Other	58	2 364	60	2 528	62	3 081
Total	8 080	295 755	7 670	317 708	6 649	307 341
Frozen						
China	19	628	0	0	42	1 305
Chinese Taipei	264	8 575	252	7 426	183	6 663
Hong Kong, China	0	0	0	13	3	136
Japan	638	22 518	729	24 891	387	13 757
Singapore	10	315	10	275	6	234
United States	51	2 442	153	8 888	144	6 469
Other	6	170	31	641	22	376
Total	988	34 647	1 175	42 134	788	28 941
Cooked						
China	64	2 133	75	3 053	63	2 475
Chinese Taipei	2 194	71 381	1 636	50 855	1 030	38 301
Hong Kong, China	101	3 015	143	4 470	42	1 745
Japan	1 565	54 485	969	33 824	785	28 676
Singapore	272	8 232	153	4 872	265	10 519
Other	84	2 488	61	3 868	75	2 392
Total	4 280	141 734	3 037	100 942	2 261	84 109
Tails						
Fresh, chilled or frozen						
Chinese Taipei	82	2 611	18	654	5	327
Hong Kong, China	10	469	10	600	3	191
Japan	234	8 861	51	4 138	18	1 742
Singapore	3	133	6	259	0	31
United States	1 331	81 393	915	53 243	831	61 932
Other	33	1 822	37	1 416	14	1 141
Total	1 693	95 289	1 037	60 309	870	65 362
Other						
Chinese Taipei	19	786	35	1 194	5	159
Hong Kong, China	34	1 418	59	2 124	59	2 409
Japan	315	5 377	254	6 176	300	3 762
United States	11	370	26	1 006	3	266
Other	69	2 279	52	1 054	7	259
Total	448	10 231	426	11 554	374	6 855
Total rock lobster	15 490	577 657	13 345	532 648	10 942	492 608

Continued

21 Australian exports of crustaceans, by destination *(continued)*

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Prawns						
Headless						
China	17	236	44	742	18	64
Chinese Taipei	37	604	53	1 440	12	280
Hong Kong, China	47	704	80	1 338	14	310
Japan	657	16 443	654	18 200	539	14 227
Spain	27	367	0	0	28	375
United States	33	920	80	2 048	98	2 445
Other	108	1 266	93	1 395	75	906
Total	926	20 540	1 005	25 162	785	18 607
Whole						
China	1 662	25 777	1 231	20 946	1 414	23 262
Chinese Taipei	239	5 985	170	4 694	254	5 440
Hong Kong, China	1 140	18 655	1 899	36 377	1 777	32 940
Japan	4 614	123 510	4 085	133 574	4 194	129 283
Malaysia	176	2 423	131	2 172	180	3 112
New Zealand	139	1 745	190	2 604	253	3 223
Spain	1 157	15 928	1 584	27 703	915	15 549
Thailand	203	2 484	673	11 982	1 076	15 066
Other	766	12 879	826	18 429	807	11 491
Total	10 096	209 386	10 789	258 481	10 870	239 367
Other						
China	24	440	101	1 195	17	62
Chinese Taipei	54	1 428	1	32	12	309
Japan	330	9 262	65	3 505	49	1 459
Singapore	42	730	22	481	19	379
United States	3	86	28	681	11	372
Other	155	1 917	112	1 510	161	2 271
Total	608	13 863	330	7 405	270	4 853
Total prawns	11 630	243 789	12 124	291 048	11 925	262 827
Crabs						
Fresh, frozen or cooked						
China	60	1 159	127	2 510	221	4 643
Chinese Taipei	1 466	12 284	1 313	11 864	945	8 679
Hong Kong, China	124	1 793	190	3 495	198	2 487
Japan	462	4 832	610	6 242	460	5 577
Singapore	91	1 172	181	2 408	131	2 105
United States	64	1 770	192	5 064	201	4 548
Other	25	441	53	1 011	98	1 803
Total	2 292	23 451	2 666	32 594	2 255	29 843
Other crabs	0	0	11	421	1	19
Total crabs	2 292	23 451	2 677	33 015	2 256	29 863
Other crustaceans						
China	35	598	323	5 454	35	742
Hong Kong, China	62	1 784	599	20 703	787	34 717
Japan	108	2 790	219	4 318	112	2 277
Switzerland	0	13	4	124	12	245
Other	190	5 983	259	7 682	232	7 602
Total	395	11 167	1 404	38 281	1 178	45 584
Total crustaceans	29 807	856 064	29 550	894 992	26 301	830 882

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

22 Australian exports of molluscs, by destination

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Abalone						
Fresh, chilled or frozen						
China	23	1 461	66	6 351	234	21 052
Chinese Taipei	201	9 912	268	15 504	312	18 389
Hong Kong, China	875	54 157	787	58 199	1 280	76 999
Japan	537	32 525	667	45 718	716	48 364
Singapore	30	2 410	43	3 952	103	8 953
United States	10	571	12	1 217	39	3 274
Other	15	1 425	39	2 832	50	4 723
Total	1 691	102 462	1 883	133 772	2 735	181 754
Canned						
Chinese Taipei	648	33 669	562	26 487	273	17 123
Hong Kong, China	663	36 007	496	39 936	535	28 283
Japan	391	27 054	304	26 540	183	15 074
Singapore	347	19 851	216	16 621	212	16 797
United States	44	3 051	34	3 576	21	1 799
Other	24	1 321	48	2 346	50	2 297
Total	2 118	120 953	1 660	115 505	1 275	81 374
Total abalone	3 808	223 415	3 543	249 277	4 010	263 128
Scallops						
Fresh, chilled or frozen						
China	157	1 032	472	3 871	1	11
France	46	795	0	0	0	0
Hong Kong, China	1 017	28 688	1 181	33 506	971	21 270
Malaysia	90	2 261	101	2 994	103	2 471
Singapore	266	6 608	277	8 317	305	7 389
Other	53	1 257	26	814	23	498
Total	1 629	40 641	2 058	49 501	1 403	31 639
Other scallops	26	1 371	87	3 904	85	2 794
Total scallops	1 655	42 012	2 145	53 405	1 488	34 433
Other molluscs						
Chinese Taipei	39	1 539	49	3 238	89	4 040
Hong Kong, China	494	7 848	760	18 896	419	13 817
Japan	182	5 971	113	11 064	180	8 704
Singapore	140	4 813	122	5 623	110	2 805
Malaysia	6	193	7	335	10	353
Other	196	1 223	315	1 594	291	1 665
Total	1 057	21 587	1 367	40 750	1 099	31 384
Total molluscs	6 520	287 015	7 055	343 431	6 597	328 945

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

23 Australian exports of fisheries products, by destination

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Edible (excluding live)						
China	4 558	40 461	4 209	49 399	4 652	70 867
Chinese Taipei	7 265	208 916	6 107	179 526	4 374	144 842
France	851	16 598	391	6 869	712	8 373
Germany	328	2 218	194	1 732	195	1 542
Greece	117	1 712	313	4 423	370	2 941
Hong Kong, China	9 759	333 018	11 276	430 938	10 769	428 310
Indonesia	478	1 772	561	2 691	521	2 774
Italy	140	2 235	195	4 092	179	2 724
Japan	26 026	655 339	26 767	731 275	25 995	679 480
Korea, Rep. of	75	1 581	180	2 596	100	1 841
Malaysia	476	8 064	397	9 143	517	11 960
New Zealand	1 302	7 046	1 079	8 287	894	7 740
Singapore	1 846	52 695	2 207	53 136	2 155	58 224
South Africa	184	2 187	136	2 981	70	1 500
Spain	1 207	17 050	1 637	28 238	1 084	16 766
Thailand	1 777	7 891	2 399	17 503	3 401	22 767
United States	5 549	141 225	4 836	128 157	5 142	130 694
Viet Nam	89	642	105	723	111	751
Other	1 881	11 918	1 719	13 486	3 052	20 287
Total	63 910	1 512 568	64 707	1 675 192	64 294	1 614 382
Nonedible						
China	na	1 673	na	1 491	na	1 991
Chinese Taipei	na	1 645	na	488	na	2 198
France	na	3 926	na	6 342	na	5 086
Germany	na	5 368	na	5 242	na	6 778
Hong Kong, China	na	34 562	na	64 823	na	40 422
Italy	na	1 173	na	928	na	432
Japan	na	24 836	na	13 825	na	18 232
Korea, Rep. of	na	1 829	na	456	na	2 601
New Zealand	na	8 689	na	23 689	na	24 363
Philippines	na	79	na	595	na	334
Singapore	na	7 391	na	7 841	na	6 692
Switzerland	na	25 734	na	14 092	na	5 599
Spain	na	1 942	na	2 323	na	1 864
Thailand	na	422	na	384	na	489
United Kingdom	na	12 880	na	15 584	na	8 382
United States	na	46 088	na	64 123	na	40 861
Other	na	273 540	na	229 658	na	272 142
Total	na	451 776	na	451 884	na	438 466
Total exports	na	1 964 344	na	2 127 076	na	2 052 848

p Preliminary. na Not available.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

24 Australian exports of seafood to selected countries, by product ^a

	1999-2000		2000-01		2001-02 ^p	
	t	\$'000	t	\$'000	t	\$'000
Hong Kong, China						
Dried, salted or smoked fish	109	7 284	108	11 579	95	13 834
Other fish	467	5 017	408	5 506	540	8 869
Rock lobster	4 735	169 864	4 727	198 533	4 045	191 734
Prawns	1 198	19 552	1 989	37 841	1 813	33 516
Crabs	124	1 793	191	3 547	198	2 489
Abalone	1 537	90 164	1 284	98 135	1 816	105 281
Scallops	1 032	29 697	1 211	36 200	1 055	24 052
Other	557	9 647	1 359	39 598	1 206	48 535
Total	9 759	333 018	11 276	430 938	10 769	428 310
Japan						
Tuna (whole)	8 834	193 541	10 591	246 435	12 267	305 443
Fillets	1 450	11 134	1 368	9 074	807	3 420
Dried, salted or smoked fish	166	3 872	92	1 784	16	474
Other fish	3 887	68 574	4 386	90 108	3 566	34 066
Rock lobster	4 406	155 769	3 612	134 713	2 903	111 053
Prawns	5 600	149 215	4 804	155 279	4 782	144 970
Crabs	462	4 832	610	6 242	460	5 585
Abalone	928	59 580	972	72 258	899	63 438
Scallops	3	62	0	1	2	50
Other	290	8 761	332	15 382	292	10 981
Total	26 026	655 339	26 767	731 275	25 995	679 480
Singapore						
Tuna (whole)	19	176	26	130	19	83
Fillets	51	631	23	293	125	811
Dried, salted or smoked fish	19	642	10	487	7	617
Canned fish	25	207	70	478	124	948
Other fish	353	2 506	766	3 186	578	2 523
Rock lobster	338	10 690	224	7 556	317	12 899
Prawns	128	1 965	157	2 631	107	1 936
Crabs	91	1 172	181	2 408	131	2 105
Abalone	377	22 261	259	20 573	316	25 750
Scallops	276	6 968	331	9 395	305	7 389
Other	169	5 477	159	5 999	126	3 163
Total	1 846	52 695	2 207	53 136	2 155	58 224

Continued

24 Australian exports of seafood to selected countries, by product ^a (continued)

	1999-2000		2000-01		2001-02 ^p	
	t	\$'000	t	\$'000	t	\$'000
Chinese Taipei						
Fish	545	8 001	427	5 909	331	6 299
Rock lobster	4 000	134 498	3 235	109 744	2 104	82 806
Prawns	331	8 016	225	6 166	279	6 029
Crabs	1 466	12 284	1 321	11 939	945	8 679
Abalone	849	43 582	830	41 991	586	35 513
Scallops	18	432	7	322	1	35
Other	57	2 103	63	3 456	128	5 480
Total	7 265	208 916	6 107	179 526	4 374	144 842
United States						
Fillets	1 997	24 848	886	11 373	1 461	15 763
Canned fish	30	40	1	28	41	179
Other fish	1 788	18 793	2 121	26 401	2 036	23 907
Rock lobster	1 455	86 808	1 156	67 645	1 068	72 577
Prawns	85	1 587	247	7 020	155	3 723
Crabs	64	1 770	192	5 064	201	4 548
Abalone	54	3 622	46	4 793	60	5 074
Scallops	0	0	0	0	0	0
Other	76	3 757	187	5 833	121	4 922
Total	5 549	141 225	4 836	128 157	5 142	130 694
China						
Fish	2 389	3 116	1 662	1 662	2 383	7 730
Rock lobster	183	6 470	125	5 386	289	12 679
Prawns	1 703	26 453	1 377	22 883	1 450	23 388
Crabs	60	1 159	130	2 804	221	4 643
Other	223	3 263	916	16 664	308	22 427
Total	4 558	40 461	4 209	49 399	4 652	70 867
APEC						
Tuna	12 511	258 855	14 720	331 738	13 801	325 616
Salmon	839	8 806	1 544	17 478	1 602	15 408
Other fish	13 052	116 906	11 720	120 999	14 145	145 644
Rock lobster	15 167	566 521	13 136	525 426	10 768	485 846
Prawns	9 697	214 963	9 957	250 887	10 259	237 087
Abalone	3 799	223 018	3 534	248 480	3 992	262 463
Scallops	1 596	40 954	2 142	53 326	1 485	34 383
Oysters	151	2 879	244	6 263	218	3 486
Crabs	2 282	23 255	2 653	32 595	2 218	29 324
Other crustaceans and molluscs	1 212	28 411	2 347	70 914	1 966	72 099
Total	60 305	1 484 569	61 995	1 658 105	60 012	1 611 356

^a Excludes live. ^p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

25 Australian seafood exports in 1999-2000, by state ^a

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust. ^b
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish								
Live	843	696	22 001	41	11	0	0	23 593
Fresh, chilled or frozen								
Whole	14 017	8 176	33 070	28 122	153 094	8 221	1 247	246 315
Fillets	4 326	2 204	3 104	6 578	4 768	20 221	6	41 635
Other	7 681	2 914	10 520	2 470	53 016	3 673	131	81 540
Total fish	26 866	13 991	68 695	37 211	210 889	32 115	1 384	393 083
Crustaceans and molluscs								
Rock lobster	4 519	24 361	13 265	421 325	84 961	28 563	661	577 657
Prawns	1 536	592	160 390	35 874	43 482	0	4	243 789
Abalone	11 883	62 136	0	11 665	54 302	83 379	47	223 415
Scallops	480	2 114	24 292	14 953	15	148	0	42 012
Oysters	5	29	2 237	30	208	372	0	2 884
Crabs	151	1 219	19 700	995	277	157	952	23 451
Other	715	13 132	8 684	3 561	241	730	218	29 870
Total	19 289	103 584	228 567	488 402	183 486	113 349	1 882	1 143 079
Total value	46 155	117 575	297 262	525 613	394 375	145 464	3 266	1 536 161
Quantity	t	t	t	t	t	t	t	t
Fish								
Live	na	na	na	na	na	na	na	na
Fresh, chilled or frozen								
Whole	1 482	902	4 295	5 429	4 908	794	405	18 300
Fillets	608	247	431	572	321	2 658	1	4 925
Other	88	96	319	28	1 813	3	0	4 358
Total fish	2 178	1 245	5 046	6 029	7 042	3 454	406	27 582
Crustaceans and molluscs								
Rock lobster	89	697	315	11 300	2 337	740	12	15 490
Prawns	95	73	7 771	1 749	1 782	0	0	11 630
Abalone	269	1 178	0	117	882	1 361	0	3 808
Scallops	22	65	994	551	2	19	0	1 655
Oysters	0	4	69	1	29	48	0	152
Crabs	7	35	2 105	54	11	4	76	2 292
Other	112	663	209	147	17	21	3	1 300
Total	595	2 715	11 462	13 919	5 060	2 195	92	36 327
Total quantity	2 773	3 960	16 508	19 948	12 101	5 649	498	63 910

^a State totals include Commonwealth fisheries exports. Exports are identified according to source state or territory, not state or territory in which the product was caught or farmed. ^b Includes Australian Capital Territory. **na** Not available.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

26 Australian seafood exports in 2000-01, by state ^a

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust. ^b
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish								
Live	2 793	1 326	37 262	0	19	184	0	41 585
Fresh, chilled or frozen								
Whole	16 694	3 997	39 826	28 098	202 078	15 470	2 451	308 807
Fillets	1 752	4 566	2 514	3 080	3 726	9 066	23	25 334
Other	4 329	2 589	16 155	2 346	66 622	8 559	164	102 628
Total fish	25 569	12 477	95 758	33 524	272 445	33 279	2 637	478 353
Crustaceans and molluscs								
Rock lobster	5 087	16 016	15 644	373 010	86 446	36 247	0	532 648
Prawns	3 270	153	218 672	35 412	22 791	0	62	291 048
Abalone	10 540	69 800	1	12 611	58 023	98 255	0	249 277
Scallops	46	3 890	33 795	15 528	76	2	2	53 405
Oysters	46	8	5 377	23	287	507	0	6 283
Crabs	693	2 355	21 358	3 788	245	2 330	2 238	33 015
Other	672	31 750	11 443	3 803	11 525	6 094	4	72 748
Total	20 355	123 972	306 290	444 176	179 392	143 434	2 306	1 238 424
Total value	45 924	136 449	402 048	477 699	451 838	176 712	4 944	1 716 777
Quantity	t	t	t	t	t	t	t	t
Fish								
Live	na	na	na	na	na	na	na	na
Fresh, chilled or frozen								
Whole	1 787	743	4 739	4 080	6 053	1 396	796	19 634
Fillets	280	733	260	640	100	1 163	3	3 308
Other	109	59	120	22	2 118	5	0	5 160
Total fish	2 176	1 534	5 119	4 742	8 271	2 564	798	28 102
Crustaceans and molluscs								
Rock lobster	83	359	344	9 694	2 050	797	0	13 345
Prawns	204	14	8 939	1 535	949	0	4	12 124
Abalone	213	1 170	0	108	542	1 502	0	3 543
Scallops	2	115	1 531	480	7	0	0	2 145
Oysters	5	1	152	0	38	47	0	246
Crabs	44	63	2 110	211	6	66	177	2 677
Other	183	854	326	189	334	171	1	2 525
Total	734	2 575	13 402	12 216	3 926	2 584	183	36 605
Total quantity	2 910	4 109	18 520	16 958	12 198	5 148	981	64 707

^a State totals include Commonwealth fisheries exports. Exports are identified according to source state or territory, not state or territory in which the product was caught or farmed. ^b Includes Australian Capital Territory. **na** Not available.
Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

27 Australian seafood exports in 2001-02, by state ^{ap}

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust. ^b
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish								
Live	2 269	1 733	42 939	5	180	145	0	47 271
Fresh, chilled or frozen								
Whole	15 397	3 035	52 961	31 719	262 549	14 803	2 441	383 530
Fillets	1 052	3 353	3 366	2 017	1 098	16 125	32	27 385
Other	3 217	3 009	24 157	3 048	5 609	2 191	174	43 640
Total fish	21 935	11 129	123 422	36 789	269 436	33 264	2 647	501 826
Crustaceans and molluscs								
Rock lobster	4 733	26 040	12 680	329 525	84 208	35 009	0	492 608
Prawns	5 900	168	189 805	27 877	25 340	0	17	262 827
Abalone	15 277	69 612	70	10 547	68 145	99 386	91	263 128
Scallops	11	2 793	20 418	10 432	769	8	0	34 433
Oysters	37	34	1 963	36	462	956	0	3 501
Crabs	111	1 872	18 599	6 573	218	852	1 631	29 863
Other	246	23 872	10 873	6 017	26 242	5 388	24	73 468
Total	26 316	124 390	254 407	391 007	205 382	141 600	1 762	1 159 827
Total value	48 251	135 519	377 829	427 795	474 818	174 864	4 409	1 661 653
Quantity	t	t	t	t	t	t	t	t
Fish								
Live	na	na	na	na	na	na	na	na
Fresh, chilled or frozen								
Whole	1 484	579	6 019	5 402	8 008	1 791	706	24 187
Fillets	129	354	256	644	65	2 505	3	3 996
Other	74	41	271	52	137	102	0	3 211
Total fish	1 686	974	6 546	6 099	8 209	4 399	709	31 393
Crustaceans and molluscs								
Rock lobster	69	510	258	7 621	1 764	702	0	10 942
Prawns	438	11	8 167	1 437	1 208	0	1	11 925
Abalone	285	1 143	1	92	717	1 771	1	4 010
Scallops	0	85	926	431	45	1	0	1 488
Oysters	4	4	46	1	62	101	0	219
Crabs	9	38	1 745	311	7	21	124	2 256
Other	47	699	233	270	611	131	2	2 058
Total	854	2 489	11 376	10 162	4 413	2 728	128	32 898
Total quantity	2 540	3 463	17 921	16 261	12 622	7 126	837	64 291

^a State totals include Commonwealth fisheries exports. Exports are identified according to source state or territory, not state or territory in which the product was caught or farmed. ^b Includes Australian Capital Territory. ^p Preliminary. **na** Not available.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

28 Australian imports of fisheries products

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Edible						
Fish						
Live fish	na	54	na	22	na	35
Fresh, chilled or frozen						
Fresh or chilled whole	4 219	23 583	4 504	25 550	4 951	26 691
Frozen whole	5 808	16 987	6 764	17 313	9 180	22 816
Fresh or chilled fillets	718	3 265	261	1 497	246	1 648
Frozen fillets	37 901	174 865	37 007	185 530	36 873	207 944
Other	6 247	17 180	5 713	16 960	6 710	19 428
Canned fish	33 027	158 374	40 597	188 628	35 874	176 996
Smoked, dried or salted fish	4 706	28 496	2 941	23 164	2 151	24 792
Other fish preparations	9 521	40 471	10 852	50 542	11 614	56 351
Total a	102 147	463 275	108 639	509 207	107 599	536 701
Crustaceans and molluscs						
Fresh, chilled or frozen b						
Prawns	10 600	147 543	10 356	175 607	12 127	166 877
Lobster	654	11 134	421	9 416	320	8 058
Scallops	1 665	25 928	1 856	28 388	1 617	22 219
Oysters	660	5 213	596	4 414	621	4 740
Mussels	2 284	7 563	1 772	7 038	1 795	7 281
Other	12 699	48 686	11 517	48 849	12 614	56 540
Canned	1 987	14 911	1 892	17 552	1 463	13 982
Extracts and pastes	70	336	123	587	31	142
Other	7 097	56 020	7 238	69 215	6 288	59 320
Total	37 718	317 332	35 770	361 067	36 875	339 157
Total edible a	139 865	780 607	144 409	870 273	144 474	875 857
Nonedible						
Pearls c	na	224 539	na	182 905	na	217 489
Fish meal	na	21 116	na	33 374	na	32 314
Ornamental fish	na	2 268	na	2 838	na	3 458
Marine fats and oils	na	7 443	na	9 540	na	13 394
Other marine products	na	55 168	na	52 897	na	44 197
Total nonedible	na	310 534	na	281 554	na	310 851
Total fisheries products	na	1 091 141	na	1 151 828	na	1 186 708

a Excludes live tonnage, but includes live value. b Includes dried and salted. c From 1999-2000 the value of pearl imports has been revised to take account of items temporarily exported. p Preliminary. na Not available.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

29 Australian imports of fish

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Salmon						
Smoked	412	6 530	347	5 890	577	10 576
Whole						
Frozen	133	255	28	150	81	232
Fresh or chilled	77	734	220	1 824	420	3 041
Canned	8 046	53 637	11 590	71 080	8 141	43 145
Total	8 668	61 156	12 186	78 943	9 220	56 994
Hake						
Frozen						
Fillets	11 293	47 277	10 237	46 552	8 422	40 125
Whole	20	83	19	58	2	7
Mince	1 031	2 026	924	1 592	2 552	4 942
Total	12 344	49 386	11 180	48 202	10 976	45 073
Tuna						
Whole						
Fresh or chilled	92	460	82	488	151	740
Frozen	401	835	988	919	3 698	5 096
Canned	16 898	66 217	21 507	76 348	20 347	93 822
Total	17 391	67 511	22 577	77 752	24 196	99 658
Other fish						
Live	na	54	na	22	na	35
Fresh or chilled whole	4 050	22 389	4 202	23 241	4 380	22 910
Frozen whole	5 254	15 815	5 729	16 187	5 400	17 481
Fresh or chilled fillets	718	3 265	261	1 497	246	1 648
Frozen fillets	26 608	127 588	26 770	138 978	28 451	167 819
Other fresh, chilled or frozen products	5 216	15 154	4 789	15 368	4 158	14 486
Other canned fish						
Herrings	1 115	4 093	784	3 385	1 117	4 552
Sardines	4 758	22 559	4 769	25 365	4 115	22 641
Anchovy	754	7 353	671	7 514	654	7 168
Mackerel	1 059	2 784	817	2 591	930	2 975
Other	397	1 730	460	2 346	569	2 692
Total	8 084	38 520	7 500	41 201	7 385	40 029
Smoked						
Herrings	38	199	47	284	61	382
Liver and roes	2	52	3	50	15	302
Other	1 682	7 390	1 184	5 360	691	3 836
Total	1 722	7 641	1 234	5 695	766	4 519
Dried	541	7 519	595	8 765	496	7 975
Salted	2 031	6 806	765	2 814	312	1 721
Other fish preparations						
Fish meal	6	121	3	119	193	236
Fishballs, fishcake, sausages	2 223	8 579	2 324	9 893	2 342	9 071
Caviar and pastes	83	1 364	79	1 359	73	1 561
Other	7 209	30 407	8 447	39 171	9 006	45 483
Total	9 521	40 471	10 852	50 542	11 614	56 351
Total other fish a	88 688	405 075	95 793	451 737	91 697	471 943
Total fish a	102 147	463 275	108 639	509 207	107 599	536 701

a Excludes live tonnage but includes live value. p Preliminary. na Not available.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

30 Australian imports of crustaceans and molluscs

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Canned and preserved						
Crabs	475	3 918	323	3 027	302	2 678
Prawns	5 133	45 373	5 217	57 917	5 432	54 553
Smoked molluscs	834	7 745	853	10 820	542	7 164
Other molluscs	535	2 630	547	2 770	285	2 418
Extracts and pastes	70	336	123	587	31	142
Other preserved	2 108	11 264	2 190	12 234	1 189	6 488
Total	9 155	71 267	9 252	87 354	7 781	73 443
Other						
Prawns						
Fresh, chilled or frozen	10 423	145 517	10 188	173 238	11 972	165 095
Other	177	2 026	168	2 369	155	1 782
Lobster	654	11 134	421	9 416	320	8 058
Scallops	1 665	25 928	1 856	28 388	1 617	22 219
Oysters	660	5 213	596	4 414	621	4 740
Mussels	2 284	7 563	1 772	7 038	1 795	7 281
Crabs	194	1 264	140	1 093	145	1 433
Calamari, squid and octopus	11 037	35 831	10 159	35 835	11 213	42 511
Other	1 467	11 591	1 218	11 921	1 256	12 596
Total	28 563	246 066	26 518	273 713	29 094	265 714
Total crustaceans and molluscs	37 718	317 332	35 770	361 067	36 875	339 157

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

31 Australian imports of edible fish, by source

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Fish (excluding canned)						
Tuna						
Indonesia	44	391	11	114	5	9
Japan	0	10	0	0	700	945
New Zealand	17	98	965	854	1 316	1 746
Papua New Guinea	73	345	67	401	138	667
Singapore	202	282	0	0	0	0
Thailand	156	159	27	34	10	16
Other	1	9	1	2	1 679	2 453
Total	493	1 294	1 070	1 405	3 848	5 836
Salmon						
Canada	0	3	0	2	0	1
Denmark	325	5 238	290	4 862	510	9 483
New Zealand	247	1 678	270	2 454	466	3 763
Other	51	601	36	544	102	601
Total	622	7 519	596	7 863	1 079	13 848
Hake						
Argentina	80	187	0	0	43	161
Chile	3 413	10 462	3 139	9 961	3 194	9 486
Chinese Taipei	16	63	14	55	0	0
Namibia	1 423	6 169	1 518	6 933	1 393	6 841
New Zealand	1 908	8 504	670	3 233	2 087	7 477
South Africa	4 951	22 043	5 149	24 893	3 903	19 477
Thailand	1	4	87	698	8	71
Uganda	319	1 160	310	1 345	16	110
Other	234	793	294	1 084	331	1 450
Total	12 344	49 386	11 180	48 202	10 976	45 073
Canned fish						
Canada	3 398	22 434	3 451	25 207	3 708	20 797
Chile	941	4 997	684	4 099	679	3 300
China	63	228	78	312	26	145
Denmark	280	3 359	443	6 497	166	737
Germany	710	2 665	500	2 251	759	3 096
Greece	137	1 252	168	1 304	136	951
Indonesia	415	1 440	70	250	19	177
Italy	614	5 176	588	5 336	465	4 389
Japan	21	124	40	223	23	192
Korea, Rep. of	156	592	382	1 812	723	3 594
Malaysia	119	361	118	457	149	662
Norway	419	5 086	364	4 632	332	4 478
Philippines	160	461	144	430	187	617
Portugal	242	1 006	172	663	95	427
Spain	93	1 003	239	2 648	93	1 562
Thailand	18 072	67 207	23 717	82 012	21 713	97 945
United Kingdom	628	4 863	730	5 277	601	5 005
United States	5 552	31 485	7 367	38 248	4 425	21 174
Other	1 006	4 635	1 343	6 968	1 576	7 746
Total	33 027	158 374	40 597	188 628	35 874	176 996

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

32 Australian imports of fresh, chilled or frozen fish, by source

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Fresh or chilled fish						
Whole						
Indonesia	33	201	188	228	227	303
New Zealand	3 891	22 116	4 080	24 021	4 041	24 534
Papua New Guinea	76	368	67	401	138	668
Solomon Islands	14	35	0	0	1	2
Viet Nam	137	459	63	291	56	274
Other	68	405	105	609	488	910
Total	4 219	23 583	4 504	25 550	4 951	26 691
Fillets						
Indonesia	27	134	4	13	5	36
New Zealand	217	1 534	175	1 023	203	1 349
South Africa	22	66	72	398	0	0
Other	452	1 530	10	62	37	263
Total	718	3 265	261	1 497	246	1 648
Frozen fish						
Whole						
Tuna						
Indonesia	32	332	8	109	5	9
Japan	0	10	0	0	700	945
New Zealand	8	47	953	776	1 309	1 705
Singapore	202	282	0	0	0	0
Thailand	156	159	27	34	10	16
Other	3	5	0	0	1 673	2 422
Total	401	835	988	919	3 698	5 096
Salmon						
Denmark	0	0	0	0	0	0
New Zealand	133	255	25	110	7	59
Norway	0	0	4	39	0	0
Other	0	0	0	0	74	172
Total	133	255	28	150	81	232
Other						
China	193	1 016	269	934	374	1 682
Indonesia	120	753	254	509	501	646
Japan	259	277	13	128	10	58
Netherlands	19	31	81	159	32	81
New Zealand	2 275	5 999	2 659	6 695	1 926	4 618
Singapore	35	273	27	164	6	28
South Africa	338	628	431	1 251	160	484
Thailand	192	529	302	830	434	1 156
United Kingdom	65	145	97	120	36	67
United States	451	488	555	680	657	790
Other	1 327	5 760	1 059	4 775	1 265	7 878
Total	5 274	15 898	5 747	16 245	5 402	17 488

Continued

32 Australian imports of fresh, chilled or frozen fish, by source *(continued)*

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Frozen fish (continued)						
Fillets						
Hake						
Argentina	80	187	0	0	43	161
Chile	2 897	9 647	2 428	8 738	1 929	7 258
Kenya	108	369	144	604	53	281
Namibia	1 415	6 142	1 518	6 933	1 393	6 841
New Zealand	1 428	7 351	509	2 969	897	4 914
South Africa	4 904	21 930	5 124	24 796	3 903	19 477
Thailand	1	4	87	698	8	71
Uganda	319	1 160	310	1 345	16	110
Other	142	487	118	469	179	1 012
Total	11 293	47 277	10 237	46 552	8 422	40 125
Other						
Argentina	915	2 640	492	1 581	370	1 508
Chile	1 608	5 190	931	3 642	1 562	5 266
China	416	1 188	625	1 798	1 027	2 603
Chinese Taipei	549	2 088	823	4 067	1 054	6 236
India	68	195	150	454	164	607
Indonesia	561	4 164	842	6 565	874	6 571
Kenya	2 506	8 791	2 054	8 990	2 391	15 822
Myanmar	531	4 077	416	3 437	527	4 238
Namibia	355	1 514	221	1 032	113	687
Netherlands	64	426	39	244	47	352
New Zealand	10 365	56 445	12 321	66 315	11 867	69 369
Singapore	359	2 675	268	2 362	267	2 131
South Africa	943	4 160	598	3 198	2 236	12 536
Tanzania	855	2 966	816	3 971	1 228	8 148
Thailand	938	5 796	956	6 978	850	6 165
Uganda	3 525	13 256	3 220	11 266	1 810	12 222
United Kingdom	356	2 002	194	1 253	99	515
Viet Nam	1 098	6 961	1 402	9 813	1 447	9 487
Other	594	3 054	402	2 009	518	3 356
Total	26 608	127 588	26 770	138 978	28 451	167 819

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

33 Australian imports of dried, salted or smoked fish, by source

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Dried or salted						
China	54	684	65	887	98	1 083
Greece	34	252	53	272	46	442
Italy	46	329	46	344	5	42
Iceland	65	536	66	564	53	516
New Zealand	5	204	1	58	16	262
Norway	166	1 796	183	2 211	118	1 777
Spain	30	158	18	115	32	193
Thailand	1 738	5 449	535	1 518	54	461
Viet Nam	89	870	77	761	78	794
Other	347	4 100	319	4 900	323	4 427
Total	2 574	14 377	1 363	11 630	823	9 999
Smoked						
Argentina	146	502	0	0	97	396
Canada	0	9	0	2	0	3
Denmark	357	5 827	292	4 882	511	9 492
Germany	29	437	25	400	14	231
Greece	16	71	15	67	13	53
Latvia	12	62	70	194	6	17
Netherlands	0	0	0	0	0	0
New Zealand	86	952	50	641	128	1 116
Philippines	13	67	23	143	35	271
South Africa	1 372	5 502	1 043	4 676	438	2 419
United Kingdom	60	349	38	267	53	385
Other	41	340	24	262	33	409
Total	2 132	14 118	1 578	11 534	1 329	14 793
Total dried, salted or smoked fish	4 706	28 496	2 941	23 164	2 151	24 792

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

34 Australian imports of canned fish products, by source

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Canned fish						
Salmon						
Canada	2 400	17 043	2 621	20 054	2 666	14 223
Chile	320	4 015	243	3 343	227	2 457
Korea, Rep. of	0	0	246	1 258	499	2 640
United States	4 887	29 099	7 204	37 186	4 329	20 761
Other	440	3 479	1 276	9 239	421	3 064
Total	8 046	53 637	11 590	71 080	8 141	43 145
Tuna						
Hong Kong	0	0	0	0	150	604
Italy	84	596	81	465	64	515
Thailand	16 173	63 133	21 105	74 406	19 865	91 357
Other	641	2 488	321	1 476	269	1 346
Total	16 898	66 217	21 507	76 348	20 347	93 822
Herrings						
Canada	153	657	95	469	124	575
Denmark	60	130	33	70	96	207
Germany	637	2 318	440	1 966	742	2 940
Other	265	989	215	881	155	831
Total	1 115	4 093	784	3 385	1 117	4 552
Sardines						
Canada	762	4 315	589	3 719	769	5 216
Norway	368	4 872	350	4 537	319	4 388
Thailand	1 609	3 495	1 731	4 759	1 433	3 775
United Kingdom	599	4 454	699	4 843	566	4 709
Other	1 421	5 422	1 399	7 506	1 027	4 554
Total	4 758	22 559	4 769	25 365	4 115	22 641
Anchovies						
Italy	477	4 155	428	4 273	345	3 393
Morocco	129	1 199	84	964	177	1 815
Spain	55	824	58	1 381	62	1 356
Other	93	1 175	101	896	71	604
Total	754	7 353	671	7 514	654	7 168
Mackerel						
Chile	620	981	441	756	453	843
Denmark	70	433	94	604	67	492
Japan	13	63	31	95	18	145
Malaysia	76	215	52	170	68	238
New Zealand	20	85	21	97	33	137
Thailand	34	89	27	101	88	229
Other	226	919	151	768	204	892
Total	1 059	2 784	817	2 591	930	2 975
Other						
Canada	84	419	141	863	141	744
Korea, Rep. of	74	222	59	209	122	459
New Zealand	11	59	26	137	93	399
Sweden	0	0	7	41	123	679
Other	230	1 031	227	1 096	90	411
Total	397	1 730	460	2 346	569	2 692
Total canned fish	33 027	158 374	40 597	188 628	35 874	176 996

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

35 Australian imports of crustaceans and molluscs, by source

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Lobster						
Fresh, chilled or frozen						
Cuba	41	701	38	840	14	323
New Zealand	3	65	0	6	4	115
Papua New Guinea	55	2 198	71	3 043	73	3 365
Thailand	185	2 323	178	2 927	130	2 281
United States	165	3 616	36	834	30	562
Viet Nam	102	1 293	50	883	4	71
Other	104	937	48	882	66	1 341
Total lobster	654	11 134	421	9 416	320	8 058
Prawns						
Fresh, chilled or frozen						
China	81	985	160	3 468	381	3 362
Chinese Taipei	34	730	118	2 601	42	626
India	873	12 222	1 652	32 505	2 571	38 963
Indonesia	557	6 926	1 198	15 776	1 526	17 934
Malaysia	768	7 336	660	7 019	587	6 321
Myanmar	422	4 615	596	7 405	716	8 183
New Caledonia	306	4 721	186	3 164	184	3 128
Papua New Guinea	142	975	151	1 320	133	1 139
Singapore	163	1 938	232	2 591	91	1 325
Thailand	5 769	86 645	3 823	70 400	3 677	51 886
Viet Nam	1 081	15 085	1 256	24 825	1 840	29 554
Other	228	3 340	155	2 165	223	2 674
Total	10 423	145 517	10 188	173 238	11 972	165 095
Canned						
Malaysia	1 254	9 676	1 364	12 662	1 356	12 030
Thailand	3 126	30 995	3 082	37 910	3 097	33 392
Viet Nam	90	364	74	515	94	908
Other	662	4 339	696	6 830	885	8 223
Total	5 133	45 373	5 217	57 917	5 432	54 553
Other a						
China	2	22	3	10	3	34
Malaysia	19	115	69	852	65	609
Thailand	77	1 200	66	1 033	85	1 055
Viet Nam	45	352	24	309	2	17
Other	35	337	6	165	1	66
Total	177	2 026	168	2 369	155	1 782
Total prawns	15 733	192 916	15 572	233 524	17 559	221 430
Crabs						
Fresh, chilled or frozen						
India	15	72	6	31	0	0
Malaysia	4	18	4	22	8	26
Thailand	7	33	4	23	7	55
Viet Nam	149	1 040	114	910	106	1 153
Other	19	101	12	107	25	199
Total	194	1 264	140	1 093	145	1 433
Canned						
Thailand	396	3	250	2	236	2
Other	79	3 915	72	3 025	66	2 676
Total	475	3 918	323	3 027	302	2 678
Total crabs	669	5 182	463	4 120	447	4 111

Continued

35 Australian imports of crustaceans and molluscs, by source *(continued)*

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Molluscs (fresh, chilled or frozen)						
Scallops						
China	141	2 034	260	4 179	454	6 137
Indonesia	23	153	98	798	39	424
Japan	835	14 698	826	13 609	664	9 058
New Zealand	43	684	33	614	29	566
Peru	74	970	68	785	0	0
Thailand	366	5 592	396	6 274	360	4 863
Viet Nam	50	308	96	603	48	564
Other	135	1 489	78	1 526	24	605
Total	1 665	25 928	1 856	28 388	1 617	22 219
Mussels						
China	1	6	52	232	57	263
Denmark	16	86	56	292	0	0
New Zealand	2 252	7 391	1 655	6 465	1 731	6 990
Other	16	79	10	49	7	29
Total	2 284	7 563	1 772	7 038	1 795	7 281
Calamari, squid and octopus						
China	482	1 710	723	2 755	1 989	7 888
Chinese Taipei	4 249	13 252	4 198	14 733	2 576	10 381
Hong Kong, China	65	314	5	123	3	104
India	270	588	127	350	150	436
Indonesia	172	742	78	299	39	161
Japan	8	122	4	55	24	93
Korea, Rep. of	277	516	508	892	846	1 687
Malaysia	626	2 275	471	1 667	556	2 014
New Zealand	1 730	6 939	1 240	5 911	2 144	9 463
Peru	17	19	49	144	0	0
Singapore	19	86	53	204	39	137
Thailand	2 189	6 602	1 791	6 468	1 879	7 640
United States	346	614	393	492	340	447
Viet Nam	372	1 249	384	1 250	546	1 826
Other	215	804	137	492	83	235
Total	11 037	35 831	10 159	35 835	11 213	42 511
Molluscs (canned)						
China	373	2 705	400	3 643	236	2 356
Denmark	15	69	23	101	19	53
Korea, Rep. of	503	5 356	454	7 010	292	4 574
Malaysia	33	149	104	505	99	481
New Zealand	331	1 523	288	1 435	158	1 677
Singapore	22	135	9	55	8	55
Thailand	529	3 937	449	3 721	524	3 702
Other	181	1 036	165	1 083	128	1 084
Total	1 987	14 911	1 892	17 552	1 463	13 982

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

36 Australian imports of fisheries products, by source

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Edible (excluding live)						
Argentina	1 169	3 416	526	1 659	603	2 443
Canada	3 789	23 636	3 531	26 001	3 717	20 989
Chile	6 529	22 682	5 712	20 153	6 529	21 994
China	2 415	13 812	3 185	22 426	5 345	29 637
Chinese Taipei	5 165	17 664	5 568	23 329	4 139	19 859
Denmark	1 206	10 526	987	12 566	774	11 065
Germany	798	3 669	560	3 002	818	3 845
Hong Kong, China	269	3 943	141	3 436	275	3 460
India	1 654	14 506	2 409	35 420	3 262	41 985
Indonesia	2 209	16 802	3 240	28 886	3 955	32 353
Italy	666	5 586	638	5 747	470	4 441
Japan	1 614	20 832	1 370	19 300	1 812	15 121
Korea, Rep. of	1 239	8 002	1 734	12 067	2 271	12 184
Malaysia	4 336	28 488	4 553	34 138	4 363	32 096
Norway	633	7 217	599	7 285	499	6 757
New Zealand	30 331	146 293	31 817	153 232	32 407	164 059
Philippines	359	1 308	348	1 609	480	2 279
Singapore	1 476	8 859	1 108	9 003	1 074	6 828
South Africa	7 906	34 023	7 740	36 844	7 421	38 743
Spain	183	1 772	294	2 878	177	2 199
Thailand	39 454	238 069	40 819	243 645	38 003	232 332
United Kingdom	1 113	7 410	1 061	6 958	790	6 011
United States	6 973	38 044	8 826	42 579	6 170	26 346
Viet Nam	4 185	32 056	4 234	43 526	4 812	47 646
Other	14 194	71 939	13 410	74 563	14 309	91 152
Total	139 865	780 553	144 409	870 251	144 474	875 823
Nonedible						
Chile	na	391	na	637	na	6 516
Chinese Taipei	na	3 793	na	2 851	na	4 345
French Polynesia	na	6 022	na	3 432	na	4 776
Hong Kong, China	na	8 613	na	5 500	na	3 468
Indonesia	na	8 260	na	11 532	na	7 559
Japan	na	12 794	na	3 931	na	28 040
Malaysia	na	3 381	na	1 538	na	3 157
Netherlands	na	4 658	na	4 469	na	3 104
New Zealand	na	10 065	na	11 051	na	9 917
Peru	na	15 770	na	26 487	na	21 324
Philippines	na	9 126	na	3 984	na	2 535
Samoa	na	2 519	na	3 664	na	4 373
Singapore	na	3 595	na	2 230	na	2 059
Thailand	na	2 894	na	843	na	1 132
United States	na	37 058	na	32 784	na	34 798
Other	na	181 594	na	166 623	na	173 750
Total	na	310 534	na	281 554	na	310 851
Total imports	na	1 091 087	na	1 151 805	na	1 186 673

p Preliminary. na Not available.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

37 Australian seafood imports from selected countries, by product ^a

	1999-2000		2000-01		2001-02 p	
	t	\$'000	t	\$'000	t	\$'000
Canada						
Canned fish	3 398	22 434	3 451	25 207	3 708	20 797
Smoked, dried or salted fish	24	69	21	82	1	57
Scallops	42	189	27	640	8	126
Other crustaceans and molluscs	0	8	0	2	0	6
Other	324	935	32	71	0	3
Total	3 789	23 636	3 531	26 001	3 717	20 989
Japan						
Frozen whole fish	259	288	13	128	710	1 003
Canned fish	21	124	40	223	23	192
Smoked, dried or salted fish	24	518	19	556	21	483
Other fish	271	2 810	237	2 399	232	2 589
Prawns	0	7	16	277	1	9
Scallops	835	14 698	826	13 609	664	9 058
Oysters	32	403	15	219	18	237
Mussels	1	4	0	3	0	0
Canned crustaceans and molluscs	0	2	1	13	1	13
Other crustaceans and molluscs	58	690	55	477	64	441
Other	114	1 288	147	1 396	78	1 096
Total	1 614	20 832	1 370	19 300	1 812	15 121
New Zealand						
Fresh and chilled whole fish	3 891	22 116	4 080	24 021	4 041	24 534
Frozen whole fish	2 415	6 301	3 636	7 581	3 243	6 382
Fresh and chilled fillets	217	1 534	175	1 023	203	1 349
Frozen fillets	11 793	63 796	12 829	69 285	12 764	74 283
Canned fish	65	362	108	655	143	695
Smoked, dried or salted fish	91	1 156	50	699	144	1 378
Other fish	3 400	13 077	4 055	15 702	4 097	17 519
Lobster	3	65	0	6	4	115
Scallops	43	684	33	614	29	566
Squid	1 730	6 939	1 240	5 911	2 144	9 463
Oysters	612	4 549	565	3 872	580	4 134
Mussels	2 252	7 391	1 655	6 465	1 731	6 990
Canned crustaceans and molluscs	331	1 523	288	1 435	158	1 677
Other crustaceans and molluscs	90	4 696	56	5 336	71	5 451
Extracts and pastes	57	263	65	268	18	86
Other	3 342	11 840	2 981	10 359	3 037	9 435
Total	30 331	146 293	31 817	153 232	32 407	164 059

Continued

37 Australian seafood imports from selected countries, by product ^a (continued)

	1999-2000		2000-01		2001-02 ^p	
	t	\$'000	t	\$'000	t	\$'000
Thailand						
Frozen whole fish	348	689	329	864	444	1 172
Fillets	910	4 230	87	698	10	82
Canned fish	18 072	67 207	23 717	82 012	21 713	97 945
Smoked, dried or salted fish	1 744	5 489	535	1 524	55	474
Other fish	3 112	12 353	3 375	15 129	3 883	16 700
Prawns	5 846	87 845	3 888	71 433	3 762	52 941
Lobster	185	2 323	178	2 927	130	2 281
Scallops	366	5 592	396	6 274	360	4 863
Mussels	4	14	3	14	2	7
Canned crustaceans and molluscs	529	3 937	449	3 721	524	3 702
Other crustaceans and molluscs	3 025	10 086	2 550	9 980	2 593	11 044
Extracts and pastes	3	21	51	284	3	15
Other	5 310	38 281	5 261	48 785	4 526	41 104
Total	39 454	238 069	40 819	243 645	38 003	232 332
United States						
Frozen whole fish	451	488	555	680	730	961
Frozen fillets	34	170	73	423	103	742
Canned fish	5 552	31 485	7 367	38 248	4 425	21 174
Smoked, dried or salted fish	1	44	0	1	0	3
Other fish	50	363	38	390	61	616
Scallops	0	0	11	287	0	0
Canned crustaceans and molluscs	31	80	17	53	2	13
Other crustaceans and molluscs	462	938	393	495	350	637
Other	392	4 477	372	2 001	499	2 200
Total	6 973	38 044	8 826	42 579	6 170	26 346
APEC region						
Fresh and chilled whole fish	4 015	22 765	4 366	24 752	4 459	25 885
Frozen whole fish	4 704	13 256	5 433	12 521	6 663	13 937
Fresh and chilled fillets	691	3 150	180	1 038	228	1 491
Frozen fillets	14 956	81 949	16 741	93 573	17 186	100 125
Canned fish	28 053	124 805	35 500	149 692	31 309	146 832
Smoked, dried or salted fish	2 177	10 922	881	7 230	573	6 806
Other fish	8 271	36 208	9 503	45 265	10 474	50 194
Prawns	0	0	2	9	2	7
Lobster	497	8 927	322	7 450	296	7 517
Scallops	1 473	23 663	1 663	26 639	1 569	21 655
Oysters	660	5 213	596	4 414	621	4 740
Mussels	2 257	7 418	1 711	6 720	1 790	7 263
Canned crustaceans and molluscs	1 881	14 415	1 764	16 766	1 361	13 223
Other crustaceans and molluscs	11 429	43 242	10 561	44 201	11 597	51 688
Extracts and pastes	67	312	117	558	31	142
Other	19 319	177 466	17 380	185 059	16 631	154 510
Total	100 450	573 711	106 721	625 886	104 792	606 015

^a Excludes live imports. ^p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.