



may 2007

australian fisheries statistics 2006

abare



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ISSN 1037-6879

ABARE 2007, *Australian Fisheries Statistics 2006*, Canberra, June.

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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 published 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 on the volume and value of Australian fisheries trade, by destination, source and product, for the three years to 2005-06. The report also contains a profile of Commonwealth and state fisheries and state aquaculture for 2005-06, 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*.



Phillip Glyde
Executive Director

June 2007

acknowledgments

Roslyn Wood, Alistair Peat and David Galeano prepared this report. Assistance from Matt Barwick of the Fisheries Research and Development Corporation is appreciated. The assistance of officers from state fisheries departments and the Australian Fisheries Management Authority, researchers and various industry representatives is gratefully acknowledged. The Australian Bureau of Statistics supplied the trade data.

Funding for this report was provided by the Fisheries Research and Development Corporation and the Australian Government Department of Agriculture, Fisheries and Forestry.

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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 aquaculture farms in South Australia is reported at its 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.

'reals' and rounding

'Real' 2005-06 dollars refers to the conversion of nominal dollar values to take account of inflation. Small discrepancies in totals are generally caused by the rounding 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
AFZ	Australian Fishing Zone
na	not available
nei	not elsewhere included

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production and trade

key features

roslyn wood

In 2005-06:

- » *the volume of Australian fisheries production fell by 13 per cent to 241 000 tonnes, while the value of fisheries production increased by 1 per cent to \$2.13 billion*
- » *the value of Australian exports of fisheries products remained steady at \$1.5 billion*
- » *the value of Australian imports of fisheries products increased by 8 per cent to \$1.3 billion.*

overview

Production in Australia fisheries has recently been affected by unfavourable movements in a number of important macroeconomic variables. Fishing effort and catches have been influenced by cost increases, particularly fuel prices, which have reduced profit margins for operators. Many fisheries have also been affected by reductions in total allowable catches, changes to access arrangements and more restrictive input controls. The appreciation of the Australian dollar since 2002-03 has simultaneously made exports less competitive and imports more attractive to consumers.

In real terms (2005-06 dollars) the value of Australian fisheries production has been declining since 1999-2000 (figure A). In 2005-06, the gross value of fisheries production was \$2.13 billion, 25 per cent less than the real value in 1999-2000. Over the same period, the real value of Australian exports has declined by 36 per cent (figure B). Although the value of imports remained relatively unchanged, the quantity of edible imports increased by 35 per cent between 1999-2000 and 2005-06.

fig A **real value of Australian fisheries production**

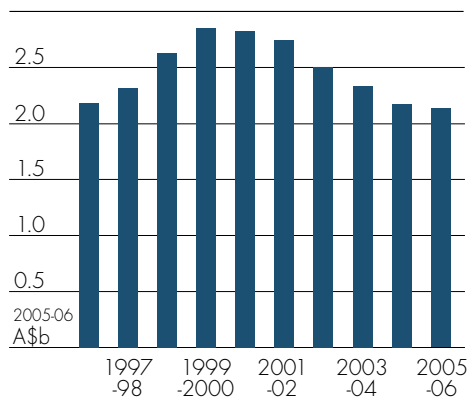
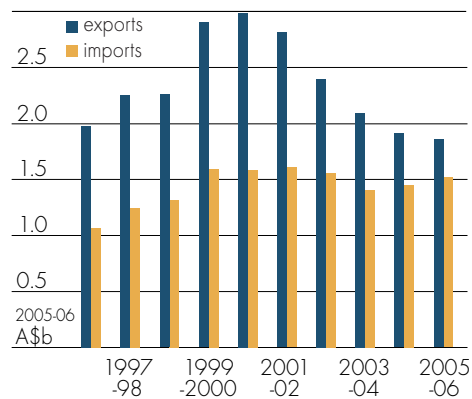


fig B **real value of Australian exports and imports of fisheries production**



production and trade

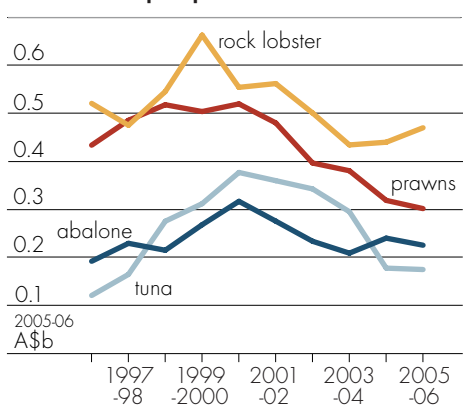
In value, Australia's major production species are rock lobster, prawns, abalone and tuna. Despite fluctuations in value (figure C), on average these four species account for more than half of Australia's gross value of production (55 per cent in 2005-06).

As a large proportion of Australia's rock lobster production is exported, prices are strongly influenced by market conditions and exchange rate movements in the major export destinations (Hong Kong, China and the United States). In particular, the strength of the Australian dollar and the outbreak of 'severe acute respiratory syndrome' (SARS) in 2003 had a significant effect on exports to Asia, with the average unit export price dropping 21 per cent between 2002-03 and 2003-04. Domestic prices fell accordingly and production value declined by \$66.6 million (in real terms) to a five year low of \$435 million. Prices for rock lobster have since improved, with production value increasing by \$35.7 million (in real terms) over the two years to 2005-06, despite a 19 per cent fall in production quantity. Contributing to this recovery was strong growth in export demand from China and the United States, which more than offset a decline in exports to Japan.

The real gross value of production of prawns has fallen by 42 per cent since 2000-01. This is the result of a 23 per cent fall in production quantity and a 24 per cent fall in average real prices. Local producers have faced competition from imported prawns, particularly from Viet Nam and China. Approximately 60 per cent of Australia's prawn production is sold on the domestic market, yet over the past decade the quantity of imported prawns more than doubled, while the price nearly halved. This has reduced the price that Australian buyers are willing to pay for domestic caught prawns.

Between 2000-01 and 2003-04 the gross value of production of abalone fell by 34 per cent (in real terms). This was the result of a 36 per cent fall in average real prices. As is the case with rock lobster, a large proportion of abalone is exported, mostly to Hong Kong, China and Japan. The appreciation of the Australian dollar and the outbreak of SARS in 2003 had a significant effect on abalone exports to Asia, with domestic and export prices dropping by 24 per cent and 30 per cent respectively (in real terms) between 2001-02 and 2003-04. The average unit price for abalone has since recovered, and as aquaculture operations continue to expand in Tasmania, Victoria and South Australia, new overseas markets are being explored.

fig C **real value of Australian production of major species**



After reaching a peak of \$377 million in 2000-01, the real value of tuna production in Australia more than halved over the following five years – falling by 54 per cent to \$175 million in 2005-06. Over this period, average unit prices fell by 41 per cent (in real terms), the effect of which was compounded by a 23 per cent fall in production quantity. Approximately 90 per cent of Australia's tuna production is exported, mostly to Japan. Prices have therefore been strongly affected by the appreciation of the Australian dollar against the Japanese yen, as well as increased competition from Mediterranean and Mexican farmed northern bluefin tuna.

gross value of production – Australia [tables 1-17]

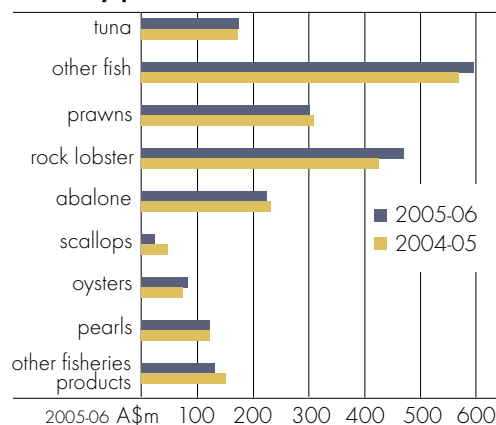
In 2005-06 the total volume of Australian fisheries production fell by 37 300 tonnes, or 13 per cent, to 241 000 tonnes. Production in the aquaculture sector rose by 7500 tonnes (16 per cent), while production in Commonwealth and state wildcatch fisheries fell by 9500 tonnes (13 per cent) and 35 200 tonnes (21 per cent) respectively.

Despite this decline, the total gross value of production increased by 1 per cent (\$27.6 million) to \$2.13 billion. This increase was the result of an 18 per cent (\$114 million) increase in the value of aquaculture production, which compensated for declining production values in the Commonwealth and state wildcatch sectors. The gross value of production in the Commonwealth sector fell from \$330 million to \$278 million (16 per cent), while the value of production from state wildcatch fisheries fell from \$1.18 billion to \$1.14 billion (3 per cent).

The increase in the gross value of production in the aquaculture sector was driven by higher unit prices for Tasmanian salmonids and an increase in South Australian southern bluefin tuna production. In the Commonwealth sector, the decline in gross value of production was largely the result of a lower production volume and, to a lesser extent, falling average unit prices. In the state wildcatch sector, the gross value of production fell proportionally less than volume because of a combination of factors, including changes in catch composition and unit price increases for several key species.

In 2005-06, rock lobster remained the highest value individual catch, followed by prawns, abalone and tuna (figure D). Prawns accounted for the highest individual catch, by volume (10 per cent), followed by rock lobster (7 per cent), oysters (5 per cent) and tuna (5 per cent).

fig D value of Australian production, by product



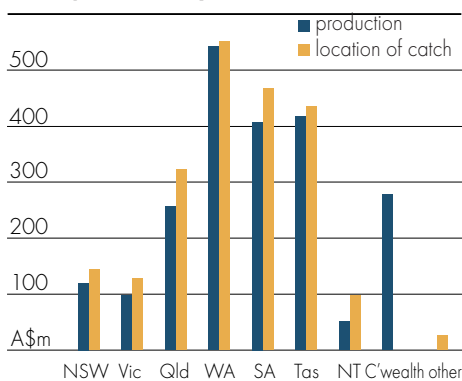
box 1 exchange rates and unit prices

Australia is a small producer and exporter of fish onto the world market, so export prices received by Australian producers are generally set in world markets. Other things being equal, a depreciating Australian dollar results in higher export prices in Australian dollar terms, while an appreciating Australian dollar results in lower export prices.

In 2005-06, the Australia dollar continued to appreciate against the Japanese yen, increasing by 3.4 per cent, but depreciated against the US dollar, ending the year 3 per cent below the June 2005 quarter. These exchange rate shifts may partially explain changes in the unit value of fisheries products in 2005-06.

production and trade

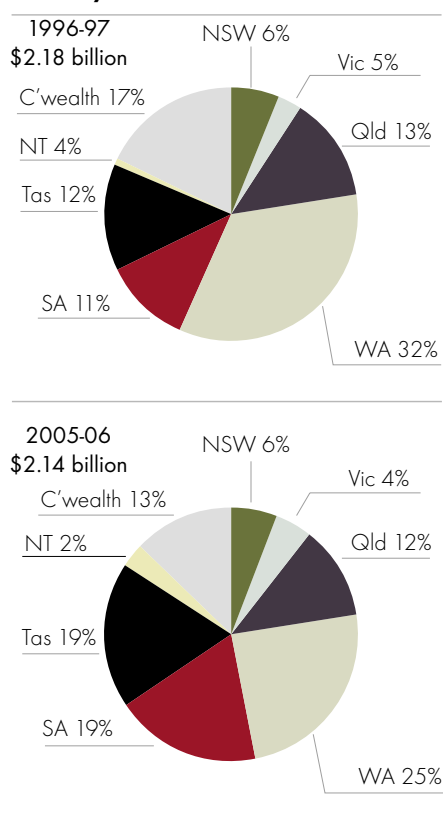
fig E value of Australian fisheries products, by state, 2005-06



where it was caught – Western Australia, Tasmania and South Australia accounted for 68 per cent of Australia's gross value of production.

Western Australia's share of gross value of production has declined significantly over the past decade, falling from 32 per cent in 1996-97 to 25 per cent in 2005-06 (figure F). This reflects the strong growth in aquaculture production in South Australia and Tasmania.

fig F Australian fisheries production, by location



gross value of production – state and territory fisheries [tables 3-13]

The gross value of Australian fisheries production, by state and location of catch, is given in tables 3-6. In 2005-06, Western Australia had the largest gross value of production, accounting for 29 per cent of total state fisheries production (figure E). Tasmania had the second largest gross value of production (22 per cent), closely followed by South Australia (also 22 per cent).

By location of catch – where Commonwealth catch is distributed to the states according to where it was caught – Western Australia, Tasmania and South Australia accounted for 68 per cent of Australia's gross value of production.

New South Wales [table 7]

major species: oysters (aquaculture), prawns, abalone and sea mullet

The gross value of fisheries production in New South Wales fell by \$12.3 million to just under \$120 million in 2005-06. The gross value of production in the wildcatch sector fell from \$83.6 million in 2004-05 to \$74.6 million in 2005-06, the result of a fall in production levels for several key species. The value of king prawns fell for the second year in a row, from \$13.1 million (629 tonnes) in 2004-05 to \$10 million (483 tonnes) in 2005-06. The value of abalone and sea mullet also declined, from approximately \$8 million to \$5 million for both species (production fell by 31 per cent and 33 per cent respectively). The decline in the production of abalone reflected a reduction in the total allowable catch for the species.

In 2005-06 the gross value of aquaculture production fell from \$48.4 million to \$45.0 million, driven predominantly by a \$1.8 million (5 per cent) fall in the value of oyster production and a \$1.1 million (24 per cent) fall in the value of prawn production.

Victoria [table 8]**major species: abalone, rock lobster and trout (aquaculture)**

The total value of fisheries production in Victoria fell from \$109.8 million in 2004-05 to \$97.6 million in 2005-06. This decrease was mainly caused by a decrease in the value of wildcaught abalone from \$60.1 million to \$49.7 million, driven by an 18 per cent fall in production volume. Abalone continued to be the most valuable wildcaught species, however, accounting for 65 per cent of the total value of wildcaught production in 2005-06.

The value of aquaculture production also fell by 10 per cent, from \$23.9 million in 2004-05 to \$21.6 million in 2005-06.

Queensland [table 9]**major species: prawns, prawns (aquaculture), coral trout and crabs**

The gross value of fisheries production in Queensland fell from \$279 million in 2004-05 to \$257 million in 2005-06. This fall was caused by a reduction in the value of wildcaught production from \$214 million to \$190 million. In particular, declining production and prices in the wildcaught scallop sector resulted in a 49 per cent fall in the value in scallop production to \$8.1 million. Scallop catches are inherently variable because of environmental factors. Production in 2005-06 is also likely to have been affected by the rotational closure of several highly productive scallop grounds (DPIF 2006). Wildcaught production of crabs, prawns and finfish also fell in 2005-06, by \$6.8 million, \$4.8 million and \$3.8 million respectively. This was caused by a number of factors, including a reduction in the number of boats targeting these species, environmental factors and changes to management arrangements (DPIF 2006).

The gross value of aquaculture production rose by 3 per cent from \$64.5 million in 2004-05 to \$66.1 million in 2005-06.

Western Australia [table 10]**major species: rock lobster, pearls (aquaculture), prawns and abalone**

The gross value of fisheries production in Western Australia fell slightly in 2005-06, from \$543 million in 2004-05 to \$542 million. In the wildcaught sector, higher prices for rock lobster resulted in the gross value of production for the species rising by \$27.4 million (10 per cent) to \$292 million. However, the effect of this increase on total production value for Western Australia was largely offset by a \$14.3 million (61 per cent) fall in the value of scallop production, which dropped to \$9.3 million. This was the result of a 60 per cent fall in production volume, which was most likely the result of biological and/or environmental factors (Western Australian Department of Fisheries 2006).

The total value of aquaculture production remained relatively unchanged in 2005-06, at \$128 million.

production and trade

South Australia [table 11]

major species: southern bluefin tuna (aquaculture), rock lobster, prawns, abalone and oysters (aquaculture)

The gross value of fisheries production in South Australia rose by \$37.6 million to \$407 million in 2005-06. Despite a \$7.2 million decline in the production value of Australian sardines, the value of the wildcatch sector increased by \$9.7 million, largely through higher rock lobster prices driving production value up by \$15.1 million to \$81.2 million.

After falling by \$92.3 million in 2004-05, the value of aquaculture production rose again in 2005-06, by \$27.9 million to \$215 million, driven mainly by an increase in the value of southern bluefin tuna and oyster production.

The majority of southern bluefin tuna caught in Australia is captured by Commonwealth boats that net juvenile fish in the Great Australian Bight and tow them to aquaculture farms off Port Lincoln in South Australia for fattening. Almost 100 per cent of the farmed tuna is exported to Japan. In recent years, exchange rate movements and competition from farmed northern bluefin tuna in the Mediterranean and Mexico have reduced the price received by Australian producers in the Japanese market. The value of southern bluefin tuna from South Australia aquaculture farms fell from \$267 million in 2002-03 to \$140 million in 2004-05. The value of the industry production recovered slightly in 2005-06 (to \$156 million); however, given that prices continued to decline, the outcome reflected an increase in production from 7458 tonnes in 2004-05 to 8806 tonnes in 2005-06.

Tasmania [table 12]

major species: salmonids (aquaculture), abalone and rock lobster

The gross value of production from Tasmanian fisheries rose by \$93 million to \$417 million in 2005-06. Although the volume of production from the wildcatch sector fell by 19 per cent, the gross value of production increased by \$3.2 million, reflecting an increase in the unit price of rock lobster.

A 57 per cent (\$89.8 million) increase in the value of aquaculture production in Tasmania was the principal contributor to the increase in gross value of fisheries production in 2005-06. The unit price of salmonids, which account for more than three-quarters of the value of Tasmanian aquaculture production, rose by 30 per cent in 2005-06. When combined with a 27 per cent increase in production, this resulted in an \$86.9 million increase in production value. The increase in the Tasmanian salmonid price was driven by higher world prices for salmon in 2005 and 2006. Contributing to this was stronger world demand for farmed salmon products.

Northern Territory [table 13]

major species: crabs, mackerel, gold band snapper and barramundi

The gross value of fisheries production in the Northern Territory fell from \$57.6 million in 2004-05 to \$51.7 million in 2005-06. This was mainly caused by a 59 per cent drop in the unit price of shark, which resulted in a \$6 million fall in the value of wildcaught shark.

The value of aquaculture production rose by \$1.2 million in 2005-06 to \$26 million.

gross value of production – Commonwealth fisheries [table 14]

The real value of production from Commonwealth fisheries has been falling since 2000-01 (figure G). In 2005-06, the value of production from Commonwealth fisheries fell a further 16 per cent to \$278 million. This decline was mainly to the result of a 13 per cent fall in the volume of production to around 63 000 tonnes.

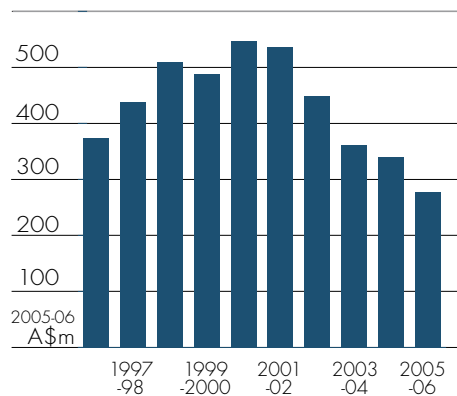
The northern prawn fishery continued to be Australia's most valuable Commonwealth managed fishery in 2005-06. The gross value of production increased by nearly \$8 million to \$72.8 million, while the total volume of production increased by 5 per cent to 5400 tonnes.

Despite a fall in both the value and volume of production, the southern and eastern scalefish and shark fishery's Commonwealth trawl sector (formerly the south east trawl fishery) remained the next most valuable fishery, at \$43.6 million in 2005-06. The value and volume of production fell by 26 per cent and 20 per cent respectively. Contributing to the fall in production volume was the reduction in total allowable catches for several key species (for example, orange roughy and blue grenadier).

In the eastern tuna and billfish fishery the gross value of production fell from \$42.5 million in 2004-05 to \$28.7 million in 2005-06. This decline was largely the result of decreased catches of the major higher valued species (yellowfin tuna, bigeye tuna and billfish) and a shift toward lower cost and lower value species such as albacore.

In 2005-06, production also fell in most of the Commonwealth's other major fisheries, including the Torres Strait prawn fishery (9 per cent), the gillnet hook and trap sector (11 per cent) and Great Australian Bight sector (14 per cent) of the southern and eastern scalefish and shark fishery, the southern bluefin tuna fishery (4 per cent), the western tuna and billfish fishery (3 per cent) and the Bass Strait central zone scallop fishery (50 per cent). In many of these fisheries the effect of lower catch levels on gross value of production was compounded by declining unit prices for key species.

fig G **real value of Commonwealth fisheries production**



gross value of production – aquaculture [tables 15-17]

After declining for several years, the gross value of Australian aquaculture production increased by 18 per cent in 2005-06 to \$748 million (figure H). This was driven by an increase in the value of finfish aquaculture, which rose from \$315 million in 2004-05 to \$451 million in 2005-06. In particular, a higher unit price resulted in the value of Tasmanian salmon production increasing by \$86.9 million (65 per cent) to \$221 million. Despite a small price drop, increased production also resulted in the value of South Australian southern bluefin tuna output increasing by \$15.8 million (11 per cent) to \$156 million.

Tasmania

fishery	species	method	number
abalone	blacklip and greenlip abalone	diving	123 diving
rock lobster	southern rock lobster	pots	312 licence holders
giant crab	giant crab	pots	92 licence holders
scallop	commercial doughboy queen	dredging	83 licence holders
scalefish	various	netting/ hooks	576 licence holders
aquaculture	Atlantic salmon	cage culture farming	44 licence holders
	Pacific oysters	rack and stick	116 licence holders
	mussels	longlines	34 licence holders
	rainbow trout	sea cages	19 licence holders
	scallops		16 licence holders
	abalone	sea cages and land based tanks	41 licence holders

Sources: Australian Fisheries Management Authority; ABARE.

Northern Territory

fishery	species	method	number
coastal	finfish and bait	line, net and trap	72 licence holders
offshore	mackerel, shark and reef	trolling, hand and longline net, trap and trawling	108 licence holders
barramundi	barramundi and threadfin	gillnet	24 licence holders
mud crab	mud crab	crab pots	49 licence holders
other	molluscs, oyster, trepang, squid and aquarium	hand harvest, jigging and a variety of other methods	33 licence holders
aquaculture	pearls		7 licence holders
	prawns		9 licence holders
	barramundi		6 licence holders

Sources: Australian Fisheries Management Authority; Northern Territory Department of Primary Industry and Fisheries; ABARE.

production and trade

fig H real value of Australian aquaculture production

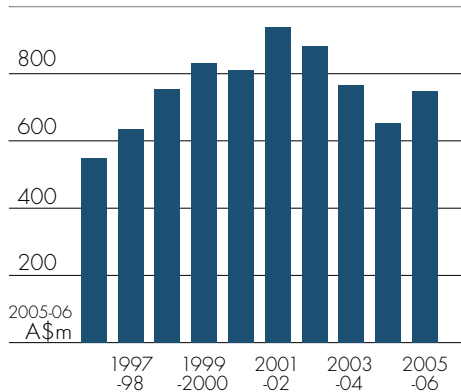
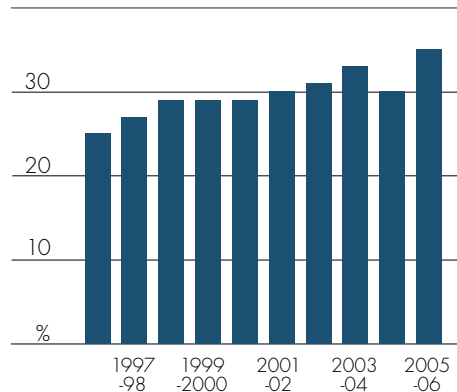


fig I aquaculture's share of total Australian fisheries production



Aquaculture continues to be an important component of Australian fisheries production. Between 1996-97 and 2005-06, aquaculture's share of the total value of Australian fisheries production grew from 25 per cent in to 35 per cent in (figure I).

Historically, salmonids (salmon and trout), tuna and pearl oysters have been the most valuable aquaculture species. In 2005-06 they accounted for 67 per cent of the gross value of aquaculture production (30 per cent, 21 per cent and 16 per cent respectively). In recent years, however, barramundi and abalone have also become valuable aquaculture industries. Between 2000-01 and 2005-06, production of barramundi more than doubled, increasing from 898 tonnes to 2075 tonnes. Over the same period, value increased by 77 per cent in real terms to \$17.2 million. The majority of this production is based in Queensland, although New South Wales has also increased its production capacity over the past five years. Similarly, aquacultural production of abalone continues to expand in Tasmania, Victoria and South Australia. In 2005-06 the combined value of production from these three states was worth nearly \$20 million.

fig J value of Australian exports of fisheries products

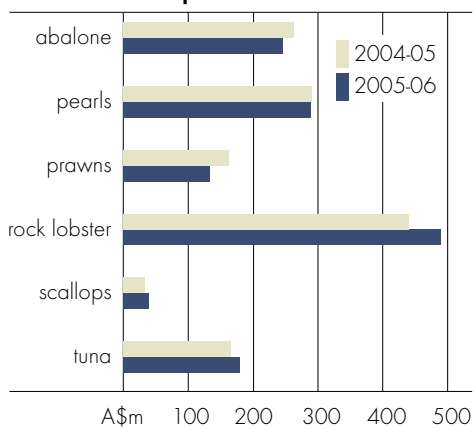
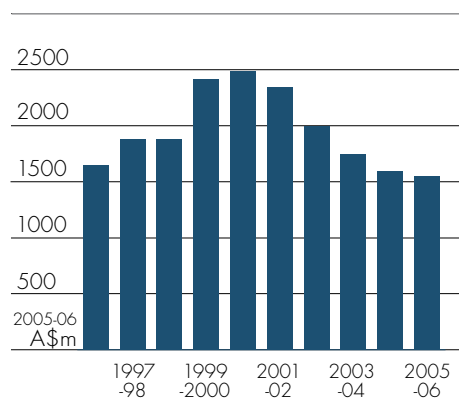


fig K real value of Australian fisheries exports



exports of fisheries products [tables 18-28]

The total value of Australian exports of fishery products increased by \$5.3 million in 2005-06, to \$1.55 billion (table 18). Rock lobster remained Australia's most valuable fisheries export product, followed by pearls, abalone and tuna (figure J).

In real terms, the value of Australian exports fell by 38 per cent between 2000-01 and 2005-06 (figure K). The main factors contributing to this decline were a 19 per cent fall in the volume of edible exports and falling unit prices for major export species; in particular, rock lobster, prawns, abalone and tuna. The decline in unit prices is the result, in part, of a strong appreciation of the Australian dollar against the US dollar and the Japanese yen over this period.

export value, by commodity [table 18]

In 2005-06, Australia's total exports of fisheries products were valued at \$1.55 billion. Approximately 80 per cent of this value was derived from edible fisheries products, such as finfish, crustaceans and molluscs. The remaining 20 per cent was from nonedible products, such as pearls, fish meal and marine fats and oils.

The most valuable edible fisheries export products in 2005-06 were rock lobster (\$489 million), abalone (\$246 million), tuna (\$177 million) and prawns (\$134 million) (table 18).

The value of nonedible exports rose by \$3.9 million to \$309.6 million in 2005-06. This was despite a \$1.5 million fall in the value of pearl exports, which accounted for 93 per cent of the value of nonedible exports.

value of exports of edible finfish [table 19]

The export value of edible fish fell by 3 per cent in 2005-06 to \$295 million. This was mainly driven by a fall in the value of other whole fish (fresh, chilled or frozen) and dried, salted and smoked fish, which fell by 35 per cent and 32 per cent respectively.

Tuna dominates the export of finfish products, accounting for 61 per cent of export value in 2005-06 (table 19). In 2005-06, the value of tuna exports increased by \$13.7 million, or 8 per cent, to \$179 million. In particular, southern bluefin tuna exports increased from \$140 million in 2004-05 to \$156 million in 2005-06 (fresh and frozen exports rose by \$6.2 million and \$9.7 million respectively). This rise in value largely reflected a 442 tonnes increase in the quantity of fresh product exported and a 906 tonne increase in frozen exports.

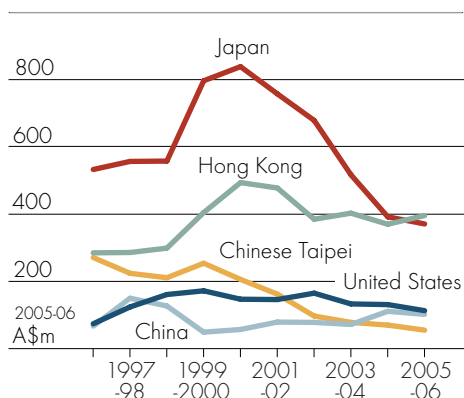
After increasing by \$6.6 million to \$10.8 million in 2004-05, the value of salmon exports declined to \$8.1 million in 2005-06. These fluctuations were driven by changes in the value of exports to Japan.

value of exports of edible crustaceans and molluscs [table 20]

The value of rock lobster exports, which accounted for more than half of the value of crustacean and mollusc exports, increased by 11 per cent to \$489 million in 2005-06. Live, fresh or chilled lobster exports rose by \$56.5 million. The effect of this increase on total crustacean and mollusc export value was, however, partly offset by a \$29.2 million decline in the value of prawn exports and a \$17.5 million fall in the value of abalone exports.

production and trade

fig L **Australian exports of edible fisheries products, by destination**



exports, by destination [tables 21-25]

main export markets for edible fisheries products

In 2005-06 Hong Kong overtook Japan as Australia's main export market for edible fisheries products (figure L). In value, 33 per cent of edible fisheries products were exported to Hong Kong (\$396 million) and 31 per cent were exported to Japan (\$371 million) (table 24).

The main edible fisheries products exported to Hong Kong are rock lobster and abalone. In 2005-06, the total value of rock lobster exports to Hong Kong was \$228 million, up 54 per cent from \$149 million in 2004-05. The total value of abalone exports fell by 23 per cent to \$113

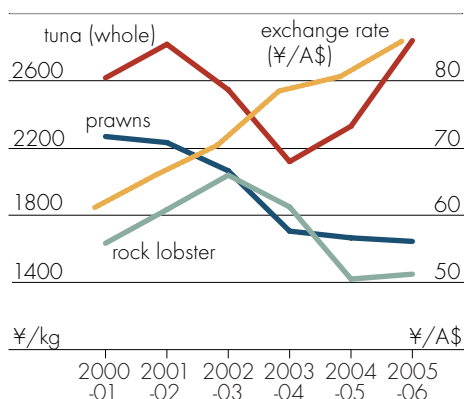
million. Together these two species accounted for 76 per cent of seafood export volume to Hong Kong and 86 per cent of value (table 25).

The main products exported to Japan are tuna (whole), rock lobster, prawns and abalone – together these species accounted for 95 per cent of the value of edible exports to Japan in 2005-06. After falling by \$109 million in 2004-05, the export value of whole tuna rose slightly in 2005-06, from \$158 million to \$170 million. However, the export values of rock lobster, prawns and other fish fell over the same period, resulting in a total decline in exports to Japan from almost \$380 million in 2004-05 to \$371 million in 2005-06 (table 25).

Over the five years to 2005-06 the total value of seafood exports to Japan fell by 56 per cent in real terms, from \$839 million in 2000-01 to \$371 million in 2005-06. This was driven largely by substantial reductions in the export volume of key products (rock lobster, prawns and other fish) and the appreciation of the Australian dollar relative to the Japanese yen, the effects of which were compounded by declining yen prices for key export species, particularly prawns (figure M). For example, the yen price of prawns fell by around 28 per cent

between 2000-01 and 2005-06. In addition, the Australian dollar relative to the yen appreciated by 40 per cent over that period. These two factors resulted in the real price of prawn exports declining by 48 per cent over the period.

fig M **Japanese exchange rate and yen price of key export species to Japan**



Rock lobster is the main edible fisheries product exported to the United States, China and Chinese Taipei. In 2005-06 the export value of rock lobster to these countries was \$90.8 million (accounting for 80 per cent of Australian edible exports to the United States by value), \$45.5 million (44 per cent) and \$29.9 million (54 per cent) respectively (table 25).

The primary export market for Australian finfish products are Japan (tuna and salmon) and

Thailand (whiting). In 2005-06, Japan accounted for 96 per cent of the value of whole tuna exports (excluding canned) and 88 per cent of whole salmon exports (excluding canned). Over 60 per cent of the value of whole whiting exports were accounted for by Thailand. The majority of canned finfish exports went to New Zealand, which accounted for 69 per cent of the value of all canned tuna exports in 2005-06 and 90 per cent of all canned salmon exports (table 21).

Hong Kong and Japan continued to be the primary markets for Australia's exports of crustacean and mollusc products in 2005-06, valued at \$381 million and \$188 million respectively (tables 22-23). Together they accounted for 60 per cent of all Australian shellfish (comprised of crustaceans and molluscs) exports.

main export markets for nonedible fisheries products

The principal markets for nonedible fisheries products in 2005-06 were Hong Kong (\$150 million), Japan (\$63 million) and the United States (\$28 million). Other major markets for nonedible products included New Zealand, France and the United Kingdom (table 24).

exports, by state [tables 26-28]

In terms of value, South Australia and Queensland are the main exporters of finfish, while Western Australia and South Australia are the main exporters of crustaceans and molluscs. Of the total value of edible fisheries products exported in 2005-06, Western Australia provided 31 per cent, South Australia 26 per cent and Queensland 16 per cent (table 28).

imports of fisheries products

[tables 29-38]

value of imports, by commodity

In 2005-06 the total value of Australian imports of fishery products increased by \$92.6 million or 8 per cent to \$1.26 billion. This value has been steadily rising over the past decade, with the value of imports in 2005-06 being nearly 43 per cent higher (in real terms) than in 1996-97 (figure N).

Edible fishery products, consisting of finfish, crustaceans and molluscs, accounted for 81 per cent (\$1.03 billion) of the gross value of imports. The remaining \$236 million of imports consisted of nonedible fisheries products such as pearls, fish meal and marine fats and oils.

fig N **Australian imports of fisheries products**

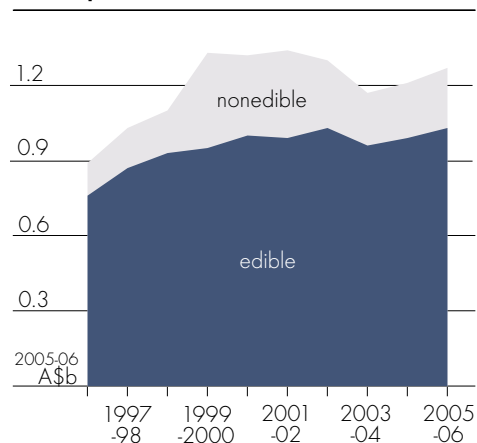
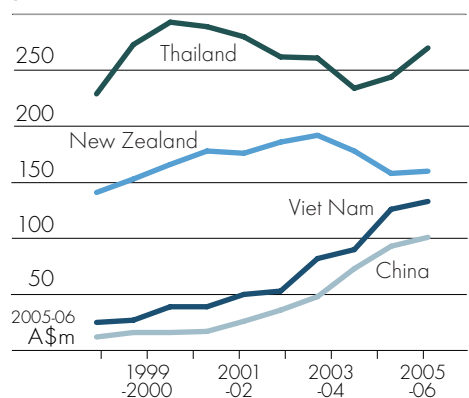


fig O **Australian imports of edible fisheries products from selected countries** excluding live



production and trade

edible fisheries imports [tables 29-31]

The total import value of edible fisheries products in 2005-06 increased by \$69.1 million to \$1.03 billion. This was driven mainly by higher unit values for canned fish and an increase in the volume of frozen fish fillet imports.

In 2005-06, 59 per cent (\$602 million) of the total value of imports of edible fisheries products were finfish products, while crustaceans and molluscs made up the remainder (\$426 million). The largest categories of edible finfish imports in value terms were frozen fish fillets (\$197 million, 33 per cent of edible finfish imports) and canned fish (\$229 million, 38 per cent). Crustacean and mollusc imports consisted mainly of prawns (\$256 million, including canned), followed by calamari, squid and octopus (\$63.2 million) and scallops (\$30.8 million).

nonedible fisheries imports [table 29]

Nonedible fisheries products imported into Australia in 2005-06 consisted of pearls, fish meal, marine fats and oils, and ornamental fish. Pearls were the most valuable imports (\$159 million) followed by fish meal (\$22 million) and marine fats and oils (\$15.9 million).

fig P Australian imports of frozen prawns and finfish fillets from Viet Nam

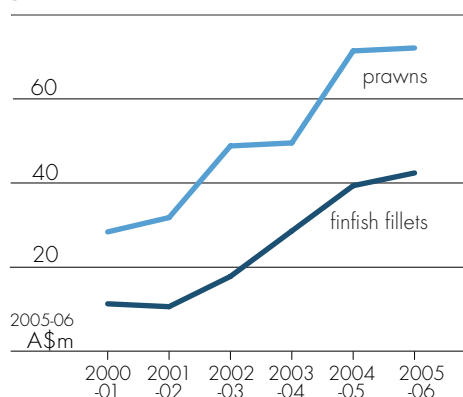
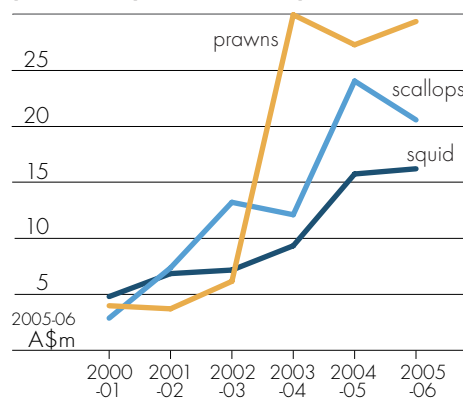


fig Q Australian imports of frozen prawns, squid and scallops from China



imports, by source [tables 32-37]

edible fisheries products

Thailand and New Zealand continue to dominate as the major source of edible fisheries products imported into Australia, together accounting for 42 per cent of total edible imports in 2005-06 (table 37). Imports from Thailand made up 26 per cent of edible products by value (\$270 million), followed by 16 per cent from New Zealand (\$160 million). However, imports from Viet Nam and China continued to rise, accounting for 13 per cent (\$133 million) and 10 per cent (\$101 million) respectively of the total value of edible imports in 2005-06.

Between 2000-01 and 2005-06 the value of edible fisheries imports from Viet Nam and China increased by 166 per cent (\$82.9 million) and 293 per cent (\$75.4 million) respectively (figure O). The main imported products from Viet Nam are frozen prawns (predominantly Vannamei prawns) valued at \$72.3 million in 2005-06 and frozen fish fillets (predominantly catfish) valued at \$42.4 million (figure P).

In 2005-06, the main products imported from China were frozen prawns (\$29.3 million)

– predominantly Vannamee prawns – squid (\$20.8 million) and scallops (\$16.2 million) (figure Q).

In 2005-06, nearly 63 per cent (\$143 million) of Australia's imports of canned fish and 20 per cent (\$7.3 million) of canned crustacean and mollusc imports were sourced from Thailand (tables 32, 36). New Zealand was the source of 34 per cent of Australian imports of fresh, chilled or frozen fish products (\$92.1 million – table 33), 24 per cent of fresh, chilled and frozen molluscs (\$24.6 million – table 36) and 32 per cent of canned crustaceans and mollusc imports (\$11.4 million – table 36). Nearly a quarter of dried and salted fish were imported from Norway (\$2 million – table 34), while Denmark was the source of 65 per cent of Australia's smoked fish imports (\$16.7 million – table 34).

nonedible fisheries products [table 37]

Australia's imports of nonedible fisheries products are sourced from a wide range of countries. In 2005-06, nearly 24 per cent of all nonedible fisheries products were sourced from four countries – the United States (\$18.7 million), Peru (\$15.8 million), Indonesia (\$11.8 million), and New Zealand (\$9.6 million).

employment

Employment data for the Australian fishing industry is gathered from the population census survey conducted by the Australian Bureau of Statistics (ABS) every five years. As the results of the 2006 census are not yet available, the most recent ABS employment data (2001) for the Australian fishing industry are shown in table A.

The Fisheries Research and Development Corporation (FRDC) has stated that 'data collected by the Australian Bureau of Statistics is not disaggregated in sufficient detail to be very useful, and tends to underrecord employees by allocating them to other industries such as transport and generalised food processing' (FRDC 2004).

A estimated employment in the Australian fishing industry

Australian Bureau of Statistics census data, August 2001

	New South		Queens-	South	Western	Tas-	North-	Australian	other	
	Wales	Victoria	land	Australia	Australia	mania	ern	Capital	terri-	Aus-
	no.	no.	no.	no.	no.	no.	no.	no.	no.	no.
marine fishing	331	125	390	237	245	224	59	0	0	1 611
rock lobster fishing	54	145	70	221	722	242	5	0	0	1 459
prawn fishing	223	6	472	109	150	0	80	0	0	1 040
finfish trawling	93	26	90	40	27	9	3	0	0	288
squid jigging	3	6	0	3	0	0	0	0	0	12
line fishing	12	6	31	26	10	3	3	0	0	91
aquaculture	926	320	592	764	601	846	166	6	0	4 221
fish wholesaling	1 333	856	1473	583	742	455	79	19	0	5 540
seafood processing	303	269	377	457	239	545	20	3	0	2 213
commercial fishing, undefined	724	311	816	459	493	249	94	6	0	3 152

Source: ABS (2002).

B estimated employment in the Australian fishing industry

	number of employees	notes
wildcatch		
Commonwealth	2 035	Estimate for 2005-06. Average number of crew in each fishery multiplied by estimated number of active vessels in each fishery. The data do not include onshore employees of fishing businesses. <i>Source: ABARE</i>
New South Wales	na	Information not available for 2005-06.
Victoria	na	Information not available for 2005-06.
Queensland	2 400-2 500	Estimate of full time labor equivalents for 2005-06. <i>Source: Queensland Department of Primary Industries</i>
South Australia	2 101	Preliminary estimate for 2005-06. <i>Source: Primary Industries and Resources South Australia</i>
Western Australia	2 389	Preliminary estimate for 2005-06 <i>Source: Western Australian Department of Fisheries</i>
Tasmania	3 892	Estimate for 2003-04. It is uncertain how many of these fishers are full time versus part time employees. Information not available for 2005-06. <i>Source: Tasmanian Department of Primary Industries and Water</i>
Northern Territory	482	Estimate for 2005-06. It is uncertain how many of these fishers are full time versus part time employees. Information available for the mud crab fishery did not distinguish between fishers and processing employees. <i>Source: Northern Territory Department of Primary Industry, Fisheries and Mines</i>
aquaculture		
New South Wales	na	Information not available.
Victoria	286	Estimate for 2005-06. This includes 170 permanent and 116 casual employees. <i>Source: Victorian Department of Primary Industries</i>
Queensland	584	Estimate of full time labor equivalents for 2005-06. <i>Source: Queensland Department of Primary Industries</i>
South Australia	1614	Estimate of full time labour equivalents for 2003-04. Information not available for 2005-06. <i>Source: Primary Industries and Resources South Australia</i>
Western Australia	na	Information not available.
Tasmania	676	Estimate for 2003-04. This includes 472 permanent and 204 casual employees. Information not available for 2005-06 <i>Source: Tasmanian Department of Primary Industries and Water</i>
Northern Territory	297	Estimate for 2003-04. This includes 24 permanent and 8 casual employees working on barramundi farms; 16 permanent and 7 full time labour equivalent employees working on prawn farms; and 242 employees involved in spat collection, processing, marketing and trading of Northern Territory pearls. Information not available for 2005-06. <i>Source: NT DBIRD (2004).</i>

continued..

B estimated employment in the Australian fishing industry *continued*

	number of employees	notes	
processing			
New South Wales	125 FT 176 PT	In January 2005 ABARE carried out a survey of seafood processors across Australia. Of the 197 businesses found in the yellow pages, 52 were contacted and found to be ineligible (that is, not or no longer a seafood processor) and a further 36 businesses were unable to be contacted.	
Victoria	82 FT 210 PT		
Queensland	113 FT 302 PT		
South Australia	165 FT 174 PT		
Western Australia	125 FT 627 PT		
Tasmania	176 FT 419 PT		
Northern Territory	na		There were no seafood processing businesses listed in the yellow pages for the Northern Territory.

FT = full time. PT = part time. Full time labor equivalent – for example, two people employed half time is equivalent to one person employed full time.

To provide additional information on employment, ABARE has collected data from its fishery surveys of the Commonwealth fisheries and from the states and the Northern Territory, where available. To obtain information on employment in the seafood processing sector, ABARE also carried out a survey of the sector in January 2005. This information is presented in table B. Note that the differences in definitions of employment between states and sectors mean that the total number of employees cannot be estimated.

recreational fishing

Recently debate has increased on the allocation of fishery resources between various user groups, especially commercial and recreational fishers. The recreational fishing sector (charter and private recreational) in Australia is larger and more widely dispersed than in any other natural resource industry that supports a prominent commercial sector (FRDC 2004). The size and scope of the recreational sector makes it difficult to collect and aggregate data on catch and effort at the national level. Valuation of the recreational sector is even more difficult because, unlike the value of commercial fishing interests whose outputs are sold in markets, the value of recreational fishing is often not revealed through markets. For further information on economic valuation techniques and resource allocation, see Hundloe (2002) and Galeano et al. (2004).

Management of recreational fishing is the responsibility of the individual state and territory authorities and, as such, licensing requirements and regulations vary considerably depending on location, fishing method and species targeted.

production and trade

In New South Wales a recreational fishing licence is required for all recreational fishing activities. Size and/or bag limits apply for many species, as do restrictions on the type of gear and fishing method that can be used. In Victoria an all-water recreational fishing licence was introduced in 1999; however, there are a number of categories entitling an exemption to holding a licence. In Western Australia, recreational fishing licences are required for abalone, rock lobster, marron, net fishing and freshwater angling. Size and bag limits also apply for the majority of species caught. A recreational fishing licence is necessary in Tasmania for inland fishing, and for the collection of abalone and rock lobster. Seasonal closures and area and gear restrictions are used for many of the larger recreational fisheries such as rock lobster,

C available data on recreational fishing

state/territory	notes
New South Wales www.nsw.fish.gov.au	<ul style="list-style-type: none">• no comprehensive species by species value or catch data available• logbook data containing information on catch and fishing effort – charter boats only• various ad hoc economic impact and regional expenditures reports, either by species or region (for example, <i>Economic Impact of the Striped Marlin Fishery</i>)
Victoria www.dip.vic.gov.au	<ul style="list-style-type: none">• no comprehensive species by species value or catch data available• various ad hoc recreational fishing surveys (for example, surveys of Victorian recreational rock lobster fishery during 1996–98)
Queensland www.dpi.qld.gov.au	<ul style="list-style-type: none">• no comprehensive species by species value data available• catch and effort data available from the Coastal Habitat Resources Information System (CHRIS), an interactive website containing information on recreational species caught in Queensland
Western Australia www.fish.wa.gov.au	<ul style="list-style-type: none">• no comprehensive species by species value or catch data available• some information collected from charter boat / ecotour operators (for example, charter revenue in terms of total dollars spent on trips)• estimates of catch rates and economic value generated by recreational fishing for some sectors published in Annual State of the Fisheries Report• various ad hoc recreational fishing surveys (for example, a twelve month survey of recreational estuarine fishing in the South Coast bioregion of Western Australia during 2002-03)
South Australia www.pir.sa.gov.au	<ul style="list-style-type: none">• no comprehensive species by species value or catch data available• comprehensive survey of recreational fishing in South Australia undertaken in 1997
Tasmania www.dpiw.tas.gov.au	<ul style="list-style-type: none">• no comprehensive species by species value or catch data available• several surveys have been funded by fees from recreational licences, including assessments of the recreational rock lobster fishery, studies of net fishing and, most recently, a survey of game fishing in Tasmania
Northern Territory www.fisheries.nt.gov.au	<ul style="list-style-type: none">• no comprehensive species by species value or catch data available• broadscale surveys of recreational fishing activity in the Northern Territory was undertaken in 1995, 2000 and 2001• the Amateur Fishermen’s Association of the Northern Territory administers a series of programs through which catch and effort data are provided from several recreational fisheries• catch and effort data also gathered during annual fishing tournaments.

giant crab, abalone and scallops. Queensland, South Australia and the Northern Territory do not require recreational fishing licences. However, Queensland and South Australia use effort controls such as size limits, gear restrictions and area closures to regulate recreational catch, while the Northern Territory has fish possession limits for a number of species.

The last consistent collection of data relating to recreational fishing was the National Recreational and Indigenous Fishing Survey which was commissioned in 2000-01 (Henry and Lyle 2003). Commonwealth and state agencies carried out the survey in the twelve months to May 2001. This survey used telephone and diary survey methods to estimate the number of recreational fishers in each state and the extent of their activities. Data collected included catch, fishing mode and location, and expenditure data at a state level.

A number of individual state/territory surveys have been undertaken on recreational fishing, based either on species or on individual fisheries/regions. However, because of the inconsistent nature of the data collected by the states, it is not possible to present up to date aggregated data on catch and value, by species and state. Details of information collected by states are contained in table C. Of particular note is Queensland, which has made available on their website an interactive database (the Coastal Habitat Resources Information System or CHRIS) containing information on recreational species caught in Queensland.

profile of Australian fisheries in 2006

Commonwealth ^a

fishery	main fishing area	species	method	number
northern prawn	Gulf of Carpentaria from Cape York to Cape Londonderry	banana, tiger, endeavour and king prawn	otter trawling	83 vessels
Torres Strait	Torres Strait waters	prawn, rock lobster, spanish, mackerel, pearl shell, trochus shell, and reef fish	otter trawl, troll and dive	415 rock 25 mackerel 125 pearl 77 prawn 179 sea cucumber 110 trochus 101 crab 239 line 151 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 vessels
gillnet, hook and trap fishery	Commonwealth waters off south Queensland, NSW, Victoria, Tasmania and SA	mixed fish species particularly pink ling, blue eye trevalla and gummy shark	demersal gillnet, demersal longline, dropline, trotline, trap and purse seine	116 vessels
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	10 vessels
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	112 vessels
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 billfish species	pelagic longline, purse seine, pole, trolling, rod and reel, and handline	283 permits

continued...

Commonwealth ^a *continued*

fishery	main fishing area	species	method	number
southern and western tuna and billfish	Commonwealth waters from Cape York around northern Australia to the SA/Victorian border	yellowfin, bigeye, skipjack and albacore tuna, and some billfish species	pole and line, purse seine, pelagic longline, troll, rod and reel and handline	125 permits
Bass Strait scallop	Commonwealth waters off SA, Victoria and Tasmania	scallop	dredge	152 boat SFRs
small pelagics	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	78 permits
southern squid	Commonwealth waters off SA, Victoria, NSW, Tasmania and southern Queensland	arrow or Gould's	jig	80 permits
sub Antarctic	Heard and McDonald Islands	Patagonian toothfish, mackerel icefish	trawl (demersal and midwater), longlining and trial pot fishing	3 vessels
	Macquarie Island	Patagonian toothfish	demersal trawl	1 vessel
western deepwater trawl	Commonwealth waters off WA	mixed fish species	otter trawl	11 permits
north west slope	Commonwealth waters off the northern parts of WA	scampi	otter trawl	7 permits
Coral Sea	Commonwealth waters, from Sandy Cape to Cape York	reef fish, trochus, lobster, aquarium fish, sea cucumber	otter trawl, hand lines, diving, seine nets	18 permits
south Tasman rise	high seas adjacent to AFZ, south of Tasmania	orange roughy, oreo dory	deepwater demersal trawling	14 permits

^a Number of permits and vessels before the Australian Government's structural adjustment package.

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

profile

New South Wales

fishery	species	method	number
abalone	blacklip abalone	diving	48 licence holders
rock lobster	eastern rock lobster	traps	151 licence holders
ocean prawn trawl	eastern king, school whiting and octopus	trawling	306 licence holders
ocean trap and line	spanner crabs, snapper and bonito	fish traps, dropline, longline, spanner crab nets	504 licence holders
ocean haul	sea mullet, blue mackerel and yellowtail	purse seine and haul nets	318 licence holders
ocean fish trawl	tiger and sand flathead, silver trevally and fiddler ray	trawling	98 fishing licences
estuary prawn trawl	school prawns, squid	trawling	216 licence holders
estuary general	sea mullet, luderick prawns and pippis	mesh and haul, nets, hand gathering	685 licence holders
aquaculture	prawns	pond culturing	12 licence holders
	yabbies	ponds and farm dams	120 licence holders
	oysters	rack tray and stick	360 licence holders
	silver perch	pond	121 licence holders
	trout	ponds and raceway	29 licence holders
	snapper	ponds	12 licence holders

Sources: Australian Fisheries Management Authority; New South Wales Department of Primary Industries; ABARE.

Victoria

fishery	species	method	number
abalone	greenlip, blacklip	diving	71 licence holders
scallops	scallops	dredging	94 licence holders
bay and inlet	mixed fish species	various	97 licence holders
rock lobster	southern rock lobster	pots	137 licence holders 7 235 pots
giant crab	giant crab	pots	37 licence holders
inshore trawl	mixed fish species	trawling	60 licence holders
ocean (general)	mixed fish species	various	307 licence holders
aquaculture ^a	freshwater eels	recirculation units and cultured waters	19 licence holders
	abalone	flow-through systems	16 licence holders
	ornamental fish	recirculation units and ponds	7 licence holders
	mussels	longlines	36 licence holders
	yabbies	recirculation units, ponds and farm dams	33 licence holders
	salomoids (trout)	recirculation units and raceways	26 licence holders
	warmwater finfish	recirculation units, flow through systems and ponds	32 licence holders
	other		1 licence

^a There were 135 licence holders with some licence holders owning multiple licences.
Sources: Australian Fisheries Management Authority; Victoria Marine and Freshwater Resources Institute; ABARE.

profile

Queensland

fishery	species	method	number
east coast trawl	tiger, banana, red spot king, endeavour, eastern king, 'bay' prawns, scallops, 'bugs' and trawl whiting	otter trawl	442 licence holders
river and estuary trawl	banana, 'bay' and tiger prawns	beam	144 licence holders
Gulf of Carpentaria inshore	barramundi, king and blue threadfin, tropical shark, grey mackerel	set (gill) net	87 licence holders
east coast net inshore (mainly tropical)	barramundi, king and blue threadfin, tropical shark, grey mackerel	set (gill) net	159 licence holders
east coast net inshore (mainly subtropical)	barramundi, king and blue threadfin, tropical shark, grey mackerel, mullet, tailor, bream, whiting	seine and some net	426 licence holders
line (handline)	coral trout, red throat emperor	handline	370 licence holders
line (trolling)	spanish, mackerel	trolling	256 licence holders
crab - estuary	mud and blue swimmer	pot	783 licence holders
crab - oceanic	spanner crabs		222 licence holders
aquaculture ^a	prawns	pond culture	61 licence holders
	barramundi	pond and cage culture	236 licence holders
	oysters	rack and stick culture	121 licence holders
	redclaw	ponds	317 licence holders
	silver perch	ponds and tanks	145 licence holders
	eels	ponds and tanks	39 licence holders
	barcoo grunter	ponds and tanks	121 licence holders

^a Queensland's Department of Primary Industries and Fisheries is in the process of changing aquaculture approvals in Queensland from an aquaculture licence to a development approval. Some sectors have been finalised (prawns and oysters) while the balance are in the transition stage. The species listed as approvals includes both 'transitional aquaculture licences' and 'development approvals'. During this process, species may be added to permits due to a new species grouping arrangement for licensing. In the case of freshwater fish, this group includes thirteen species (including barramundi), and once finalised the number of approvals for this group will increase. A similar situation will occur for barcoo grunter and silver perch.

Sources: Australian Fisheries Management Authority; Queensland Department of Primary Industries; ABARE.

Western Australia

fishery	species	method	number
west coast rock lobster	western rock lobster	pots	501 boats and 56 529 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	12 licence holders
Nickol Bay prawn	king and banana prawns	trawling	14 licence holders
Shark Bay scallops	scallops	trawling	41 licence holders (27 prawn boats and 14 scallop boats)
aquaculture	pearls yabbies marron mussels	longlines ponds and farm dams ponds and farm dams longlines	

Sources: Australian Fisheries Management Authority; Western Australian Fisheries; ABARE.

profile

South Australia

fishery	species	method	number
southern zone rock lobster	southern rock lobster	pots	181 licence holders
northern zone rock lobster	southern rock lobster	pots	68 licence holders
western zone abalone	greenlip, blacklip abalone	diving	23 licence holders
southern zone abalone	greenlip, blacklip abalone	diving	6 licence holders
central zone abalone	greenlip, 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	351 licence holders
restricted marine scalefish	various finfish, crustaceans, molluscs	netting, line fishing, handlines and traps	17 licence holders
miscellaneous	various finfish, crustaceans, molluscs, worms	traps, diving, etc	21 licence holders
lakes and Coorong	freshwater finfish, marine finfish, molluscs	netting, line fishing, handlines	37 licence holders
river fishery	freshwater finfish, crustaceans	netting, pots	6 licence holders
aquaculture	yabbies	ponds and farm dams	120 licences
	marron	ponds and farm dams	90 licences
	oysters	contained racks and longlines	437 licences
	southern bluefin tuna	sea cages	35 licences
	barramundi	ponds, dams and recirculation system	33 licences
	murray cod	ponds, dams and recirculation system	38 licences
	abalone	sea cages, contained longlines, contained benthic structures and uncontained benthic structures	101 licences
	gold and silver perch	ponds, dams and recirculation system	86 licences
	scallops	contained and uncontained longlines	90 licences
	yellowtail king fish	sea cages	37 licences

Sources: Australian Fisheries Management Authority; South Australian Research and Development Institute; Department of Primary Industries and Resources, South Australia; ABARE.

references

references

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gross value of fisheries production – Australia

	2003-04 \$'000	2004-05 ^p \$'000	2005-06 ^s \$'000
State wild catch fisheries			
New South Wales	89 711	83 553	74 637
Victoria	72 214	85 899	76 000
Queensland	256 949	214 143	190 388
Western Australia	400 742	414 839	414 520
South Australia	182 536	182 959	192 674
Tasmania	142 733	166 436	169 649
Northern Territory	31 514	32 766	25 727
Total	1 176 400	1 180 596	1 143 595
Aquaculture ^a			
New South Wales	49 647	48 372	45 027
Victoria	23 561	23 946	21 607
Queensland	68 640	64 500	66 120
Western Australia	129 529	128 475	127 909
South Australia	278 973	186 643	214 497
Tasmania	146 447	157 320	247 156
Northern Territory	27 800	24 800	26 000
Total	724 597	634 056	748 316
Commonwealth fisheries			
Northern prawn	73 979	64 999	72 847
Torres Strait	32 986	34 702	27 844
SESS Commonwealth trawl sector	54 547	58 926	43 627
SESS Commonwealth gillnet and hook sectors	23 499	24 591	21 540
SESS Commonwealth GAB trawl sector	14 304	16 654	15 505
Eastern tuna and billfish – longline and minor line	46 831	42 471	28 704
Southern bluefin tuna	38 156	43 807	37 525
Bass Strait scallop	1 475	387	191
Western tuna and billfish fishery	8 201	3 584	2 749
Other fisheries ^b	47 974	39 849	27 492
Total	341 950	329 970	278 025
Total value ^c	2 206 753	2 105 352	2 132 986

^a Excludes the value of hatchery fishery production. ^b Includes North west slope, Western deepwater, Southern squid, Small pelagics, Macquarie Island, Coral Sea, Cocos and Christmas Islands, Heard and McDonald Islands, SESS East Coast deepwater trawl sector, SESS Victorian coastal waters sector, Norfolk Island, South Tasman Rise and Eastern and Western Skipjack tuna fisheries. ^c 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; Fisheries Victoria, Department of Primary Industries; Melbourne Wholesale Fish Market; New South Wales Department of Primary Industries; New South Wales Fish Marketing Authority; Northern Territory Department of Primary Industries, Fisheries and Mines; Queensland Fisheries Service; Queensland Department of Primary Industries; South Australian Research and Development Institute; Primary Industries and Resources, South Australia; Tasmanian Department of Primary Industries and Water; Department of Fisheries, Western Australia.

2 wild caught fisheries production ^a

	2003-04		2004-05 ^p		2005-06 ^s	
	t	\$'000	t	\$'000	t	\$'000
Fish						
Australian salmon	5 769	4 505	3 998	3 852	4 191	3 647
Australian sardine	36 675	27 867	50 366	31 457	33 539	27 567
Barramundi	1 614	11 787	1 429	10 337	1 388	10 657
Bream	1 004	5 216	1 117	5 746	1 046	5 499
Coral trout	1 741	50 041	1 188	34 155	1 190	34 870
Dories	1 227	3 772	1 204	3 697	996	3 476
Flathead	7 056	17 460	6 439	17 995	5 040	16 433
Gemfish	587	1 683	513	1 695	547	1 836
Ling	1 687	7 762	1 818	7 073	1 352	7 016
Mullet	6 176	13 246	6 446	13 912	4 902	10 748
Orange roughy	2 614	8 679	3 394	15 036	2 381	6 370
Sharks ^b	11 339	40 403	11 343	44 730	8 752	30 666
Spanish mackerel	1 772	11 248	1 420	9 118	1 440	9 188
Tuna	10 130	72 511	9 068	71 812	9 085	56 273
Whiting	4 150	17 314	4 121	15 779	4 372	17 332
Other	62 762	195 136	58 356	179 998	51 308	151 821
Total	156 304	488 630	162 222	466 391	131 532	393 400
Crustaceans						
Crabs	7 379	56 223	6 609	48 586	5 340	41 205
Prawns	23 853	302 493	20 449	258 877	19 646	252 128
Rock lobster	19 854	411 124	18 491	426 633	16 170	470 366
Other	432	5 646	392	6 257	285	3 185
Total	51 518	775 486	45 940	740 353	41 441	766 884
Molluscs						
Abalone	5 588	189 560	5 592	219 874	4 979	206 015
Octopus	903	3 965	626	3 356	445	2 615
Pipi	1 940	4 685	2 135	5 494	1 731	4 246
Scallops	9 311	24 713	15 445	46 749	8 690	24 981
Squid	4 904	14 496	4 055	10 807	2 705	7 993
Other	654	15 317	657	15 406	462	14 356
Total	23 301	252 736	28 511	301 686	19 011	260 206
Other NEI	168	1 498	192	2 136	118	1 130
Total wild caught	231 291	1 518 350	236 864	1 510 566	192 102	1 421 619

^a State and Commonwealth wildcaught production. ^b Shark converted to whole weight. ^p Preliminary. ^s Estimate.

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

3 fisheries production in 2003-04, by state – Australia ^a

	NSW	Vic.	Qld	WA	SA	Tas.	NT	C'wth	Aust.
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish									
Tuna	83	0	0	94	243 217	0	29	72 304	279 533 b
Other	44 105	26 132	111 182	48 473	38 828	129 140	25 888	157 173 c	580 922
Total	44 188	26 132	111 182	48 567	282 045	129 140	25 918	229 478	860 455
Crustaceans									
Prawns	27 737	765	154 294	45 497	43 423	0	0	88 539	360 255
Rock lobster	4 196	13 830	12 146	261 434	61 365	43 690	0	14 464	411 124
Crab	6 005	368	32 303	7 429	4 020	1 540	4 473	85	56 223
Other	1 547	228	1 240	2 387	905	0	213	3 521	10 041
Total	39 485	15 191	199 983	316 747	109 713	45 230	4 686	106 608	837 643
Molluscs									
Abalone	8 668	50 110	0	14 180	34 663	90 280	0	0	197 901
Scallops	0	395	10 020	8 336	0	4 420	14	1 528	24 713
Oysters	37 921	0	730	0	21 152	17 387	0	0	77 191
Squid	1 803	781	1 134	3 989	2 555	581	30	3 623	14 496
Other	5 021	3 166	340	137 440	3 847	2 031	867	703	153 415
Total	53 414	54 452	12 224	163 945	62 217	114 700	910	5 854	467 716
Other NEI	2 272	0	2 200	1 012	7 534	111	27 800	10	40 939
Total value	139 359	95 775	325 589	530 271	461 509	289 181	59 314	341 950 d	2 206 753 b
Quantity	t	t	t	t	t	t	t	t	t
Fish									
Tuna	24	0	0	15	9 558	0	8	10 084	14 686 b
Other	14 405	4 937	15 469	17 818	36 818	15 664	5 286	54 858 c	165 256
Total	14 429	4 937	15 469	17 833	46 376	15 664	5 294	64 942	179 942
Crustaceans									
Prawns	2 001	60	11 726	3 829	2 126	0	0	7 835	27 576
Rock lobster	108	499	691	13 744	2 400	1 601	0	810	19 854
Crab	633	40	4 307	1 171	707	64	437	20	7 379
Other	114	22	91	149	49	0	26	255	705
Total	2 857	621	16 815	18 893	5 282	1 665	463	8 919	55 515
Molluscs									
Abalone	252	1 565	0	351	982	2 687	0	0	5 837
Scallops	0	261	2 046	2 341	0	3 542	4	1 118	9 311
Oysters	5 852	0	0	0	4 382	2 456	0	0	12 690
Squid	518	84	204	1 060	302	89	5	2 642	4 904
Other	1 155	1 172	0	1 091	1 922	502	92	192	6 126
Total	7 777	3 082	2 249	4 843	7 588	9 276	101	3 952	38 869
Other NEI	16	0	47	87	894	65	0	0	1 109
Total quantity	25 078	8 640	34 581	41 656	60 140	26 671	5 858	77 813 d	275 435 b

^a State totals include estimates of aquaculture production but exclude hatchery. ^b 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. ^c Includes the fish component of Commonwealth fisheries, plus catch from Commonwealth fisheries that cannot be disaggregated due to confidentiality reasons. ^d Totals include all fisheries under federal jurisdiction.

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

4 fisheries production in 2004-05, by state - Australia ^{ap}

	NSW	Vic.	Qld	WA	SA	Tas.	NT	C'with	Aust.
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish									
Tuna	119	0	0	82	139 955	0	46	71 564	172 497 b
Other	48 773	25 458	87 186	50 109	39 666	137 703	26 872	153 629 c	569 396
Total	48 892	25 458	87 186	50 191	179 621	137 703	26 918	225 193	741 893
Crustaceans									
Prawns	20 989	306	128 541	43 858	35 805	0	0	79 741	309 240
Rock lobster	3 767	14 183	14 242	264 659	66 041	47 779	0	15 963	426 633
Crab	4 279	753	25 692	7 646	4 125	1 559	4 370	160	48 586
Other	1 431	228	1 280	2 918	1 111	6	235	4 268	11 477
Total	30 466	15 470	169 756	319 081	107 082	49 345	4 605	100 132	795 936
Molluscs									
Abalone	7 825	64 635	0	12 650	39 139	108 781	0	0	233 030
Scallops	0	424	15 770	23 529	0	6 566	0	460	46 749
Oysters	35 886	0	736	0	19 995	17 432	0	0	74 049
Squid	1 513	735	1 306	277	2 823	626	7	3 520	10 807
Other	5 227	3 123	0	136 847	3 927	3 145	1 236	390	153 895
Total	50 450	68 917	17 813	173 303	65 884	136 549	1 243	4 371	518 530
Other NEI	2 117	0	3 889	739	17 015	159	24 800	274	48 993
Total value	131 926	109 845	278 643	543 314	369 602	323 756	57 566	329 970 d	2 105 352 b
Quantity	t	t	t	t	t	t	t	t	t
Fish									
Tuna	23	0	0	12	7 458	0	12	9 021	11 311 b
Other	14 992	4 725	12 868	16 186	50 150	16 156	5 433	52 440 c	172 950
Total	15 016	4 725	12 868	16 198	57 608	16 156	5 445	61 460	184 261
Crustaceans									
Prawns	1 627	23	9 596	3 638	2 173	0	0	6 650	23 707
Rock lobster	99	472	790	12 303	2 343	1 611	0	873	18 491
Crab	411	36	3 611	1 269	780	59	427	15	6 609
Other	105	20	99	158	62	1	28	215	688
Total	2 243	551	14 096	17 368	5 358	1 671	455	7 753	49 495
Molluscs									
Abalone	186	1 615	0	304	1 079	2 798	0	0	5 982
Scallops	0	207	3 185	6 879	0	4 831	0	343	15 445
Oysters	4 727	0	0	0	3 255	2 462	0	0	10 445
Squid	423	100	237	74	504	117	1	2 598	4 055
Other	1 055	1 341	0	837	1 973	834	144	135	6 319
Total	6 391	3 263	3 423	8 094	6 811	11 041	146	3 076	42 246
Other NEI	20	0	54	91	2 019	77	0	3	2 265
Total quantity	23 670	8 540	30 441	41 751	71 796	28 945	6 045	72 293 d	278 266 b

a State totals include estimates of aquaculture production but exclude hatchery. **b** 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. **c** Includes the fish component of Commonwealth fisheries, plus catch from Commonwealth fisheries that cannot be disaggregated due to confidentiality reasons. **d** Totals include all fisheries under federal jurisdiction.

p Preliminary.

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

5 fisheries production in 2005-06, by state - Australia as

	NSW	Vic.	Qld	WA	SA	Tas.	NT	C'with	Aust.
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish									
Tuna	97	0	0	34	155 795	0	17	56 125	175 119 b
Other	48 219	22 729	85 436	43 317	33 280	224 511	20 335	118 927 c	596 753
Total	48 316	22 729	85 436	43 351	189 075	224 511	20 352	175 051	771 872
Crustaceans									
Prawns	17 074	330	124 346	38 014	36 909	0	0	85 342	302 015
Rock lobster	3 823	14 476	13 935	292 063	81 170	52 598	0	12 301	470 366
Crab	4 541	728	18 931	6 366	4 155	1 930	4 499	55	41 205
Other	918	294	1 270	2 494	620	0	280	1 606	7 482
Total	26 355	15 828	158 481	338 937	122 854	54 528	4 780	99 304	821 067
Molluscs									
Abalone	5 424	55 332	0	12 653	42 375	109 995	0	0	225 779
Scallops	0	1 051	8 103	9 255	0	6 374	0	198	24 981
Oysters	34 093	0	570	0	32 480	16 720	0	0	83 863
Squid	1 158	656	867	115	2 101	217	7	2 872	7 993
Other	2 827	2 011	0	137 099	4 643	4 401	588	564	152 133
Total	43 502	59 050	9 540	159 122	81 599	137 708	595	3 634	494 750
Other NEI	1 491	0	3 050	1 019	13 643	59	26 000	36	45 298
Total value	119 664	97 607	256 508	542 429	407 171	416 805	51 727	278 025 d	2 132 986 b
Quantity	t	t	t	t	t	t	t	t	t
Fish									
Tuna	20	0	0	8	8 806	0	12	9 045	12 701 b
Other	13 577	4 766	11 849	14 948	32 366	20 047	4 777	44 123 c	146 453
Total	13 598	4 766	11 849	14 956	41 172	20 047	4 789	53 168	159 155
Crustaceans									
Prawns	1 448	25	9 523	3 332	2 070	0	0	6 789	23 187
Rock lobster	100	408	782	10 435	2 365	1 482	0	599	16 170
Crab	428	23	2 710	1 042	791	62	272	11	5 340
Other	73	24	103	137	34	0	31	145	547
Total	2 050	480	13 118	14 946	5 260	1 544	303	7 543	45 244
Molluscs									
Abalone	129	1 377	0	306	1 125	2 574	0	0	5 511
Scallops	0	514	1 653	2 780	0	3 566	0	177	8 690
Oysters	4 267	0	0	0	5 340	2 389	0	0	11 995
Squid	287	74	157	32	311	46	1	1 796	2 705
Other	562	983	0	924	2 115	1 137	60	80	5 861
Total	5 245	2 948	1 810	4 042	8 891	9 711	62	2 053	34 762
Other NEI	12	0	58	66	1 652	34	0	5	1 828
Total quantity	20 904	8 194	26 835	34 010	56 975	31 337	5 153	62 769 d	240 988 b

a State totals include estimates of aquaculture production but exclude hatchery. **b** 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. **c** Includes the fish component of Commonwealth fisheries, plus catch from Commonwealth fisheries that cannot be disaggregated due to confidentiality reasons. **d** Totals include all fisheries under federal jurisdiction. **s** Estimate.

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

6 fisheries production in 2005-06, by location of catch - Australia as

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Other b	Aust.
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish									
Tuna	7 210	27	10 710	894	193 208	3	17	0	175 119 c
Other	63 588	51 150	93 977	45 764	55 076	242 355	20 350	24 492	596 753
Total	70 797	51 177	104 687	46 657	248 284	242 359	20 368	24 493	771 872
Crustaceans									
Prawns	17 339	331	158 681	43 184	36 909	0	45 569	2	302 015
Rock lobster	3 823	14 476	26 193	292 067	81 170	52 598	1	38	470 366
Crab	4 560	755	18 931	6 366	4 155	1 938	4 499	0	41 205
Other	928	328	1 532	2 501	623	0	888	681	7 482
Total	26 651	15 890	205 337	344 117	122 858	54 536	50 957	721	821 067
Molluscs									
Abalone	5 424	55 332	0	12 653	42 375	109 995	0	0	225 779
Scallops	0	1 224	8 103	9 255	0	6 392	6	0	24 981
Oysters	34 093	0	570	0	32 480	16 720	0	0	83 863
Squid	1 823	1 312	894	119	2 524	354	80	887	7 993
Other	3 020	2 216	1	137 099	4 644	4 559	590	3	152 133
Total	44 361	60 084	9 568	159 126	82 023	138 021	676	891	494 750
Other NEI	1 491	0	3 050	1 019	13 643	59	26 000	35	45 298
Total value	143 301	127 152	322 642	550 920	466 808	434 974	98 001	26 139	2 132 986 cd
Quantity	t	t	t	t	t	t	t	t	t
Fish									
Tuna	1 105	4	2 199	129	14 441	1	12	0	12 701 c
Other	18 909	14 864	13 497	15 466	38 900	27 894	4 781	12 142	146 453
Total	20 013	14 868	15 697	15 595	53 341	27 895	4 792	12 142	159 155
Crustaceans									
Prawns	1 615	25	12 616	3 829	2 070	0	3 031	1	23 187
Rock lobster	100	408	1 379	10 435	2 365	1 482	0	1	16 170
Crab	432	28	2 710	1 042	791	64	272	0	5 340
Other	79	44	138	138	36	0	70	42	547
Total	2 227	505	16 843	15 444	5 262	1 546	3 373	44	45 244
Molluscs									
Abalone	129	1 377	0	306	1 125	2 574	0	0	5 511
Scallops	0	669	1 653	2 780	0	3 582	6	0	8 690
Oysters	4 267	0	0	0	5 340	2 389	0	0	11 995
Squid	678	472	166	34	564	119	24	647	2 705
Other	590	1 012	0	924	2 115	1 159	61	0	5 861
Total	5 664	3 530	1 819	4 044	9 144	9 822	91	647	34 762
Other NEI	12	0	58	66	1 652	34	0	5	1 828
Total quantity	27 916	18 903	34 417	35 149	69 400	39 298	8 257	12 839	240 988 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. **s** Estimates.

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

7 fisheries production – New South Wales

	2003-04		2004-05		2005-06 p	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Rock lobster	108	4 196	99	3 767	100	3 823
King prawns	849	17 795	629	13 092	483	10 045
School prawns	635	4 973	547	2 892	616	3 250
Other prawns	155	538	157	541	109	392
Crabs	633	6 005	411	4 279	428	4 541
Other	86	1 190	82	1 067	55	702
Total a	2 465	34 696	1 925	25 639	1 790	22 753
Molluscs						
Abalone	252	8 668	186	7 825	129	5 424
Cuttlefish	335	850	273	696	162	413
Pipi	571	2 367	656	2 832	293	1 262
Octopus	487	2 103	301	1 971	178	1 164
Squid	183	954	151	817	125	744
Other	54	289	62	209	57	194
Total a	1 881	15 232	1 628	14 349	944	9 202
Fish						
Sea mullet	2 872	5 598	3 798	7 621	2 552	5 103
Silver trevally	550	1 139	363	863	393	931
Yellowtail kingfish	145	1 009	100	713	134	954
Jack mackerel	127	293	58	51	41	36
Black and yellowfin bream	333	3 102	360	3 408	350	3 301
Australian salmon	2 131	2 508	1 511	1 940	757	969
Snapper	241	2 250	249	2 271	239	2 180
Rubberlip morwong	67	234	76	229	61	183
Mulloway	101	697	58	446	65	500
Sand whiting	179	1 894	141	1 486	206	2 171
Luderick	390	626	298	437	350	511
School whiting	1 583	3 707	1 375	3 009	1 429	3 115
Dusky flathead	133	748	111	655	134	789
Golden perch	1	19	0	0	0	0
Other	5 024	14 839	5 854	18 990	6 235	21 102
Total a	13 879	38 665	14 352	42 122	12 946	41 846
Other NEI	16	1 118	24	1 444	12	837
Total wild caught	18 240	89 711	17 928	83 553	15 692	74 637
Aquaculture b						
Prawns	363	4 432	294	4 464	241	3 387
Yabbies	28	354	23	362	19	214
Oysters	5 852	37 921	4 727	35 886	4 267	34 093
Silver perch	239	2 322	270	2 431	301	2 770
Trout	170	1 552	218	1 784	196	1 742
Mussels	44	261	36	215	34	207
Barramundi	101	1 128	121	1 360	104	1 238
Snapper	0	0	0	2	0	0
Ornamentals	0	554	0	547	0	429
Other	40	1 124	52	1 323	52	948
Total	6 838	49 647	5 742	48 372	5 212	45 027
Total production	25 078	139 359	23 670	131 926	20 904	119 664

a Excludes catches in the Commonwealth south east and eastern tuna and billfish fisheries. **b** Excludes hatchery production. **p** Preliminary.

Sources: ABARE; New South Wales Department of Primary Industries; New South Wales Fish Marketing Authority.

8 fisheries production – Victoria

	2003-04		2004-05 p		2005-06 s	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Rock lobster	499	13 830	472	14 183	408	14 476
Prawns	60	765	23	306	25	330
Crabs	40	368	36	753	23	728
Other	17	163	16	150	19	203
Total	616	15 126	547	15 392	475	15 737
Molluscs						
Abalone	1 463	46 549	1 491	60 181	1 217	49 735
Scallops	261	395	207	424	514	1 051
Squid a	84	781	100	735	74	656
Octopus	41	117	19	78	17	86
Other	67	212	62	229	40	72
Total	1 916	48 054	1 879	61 647	1 862	51 600
Fish						
Australian sardine	1 013	1 175	644	708	741	652
Bream	42	438	42	390	42	435
Sea garfish	84	615	103	629	70	407
Shark b	37	233	55	367	47	357
Snapper	96	707	115	784	90	640
Eels	105	1 115	87	929	80	878
Australian salmon	385	280	531	553	639	930
King george whiting	140	1 611	141	1 788	127	1 633
Other	1 240	2 860	1 150	2 712	987	2 731
Total	3 142	9 034	2 868	8 860	2 823	8 663
Total wild caught	5 674	72 214	5 294	85 899	5 160	76 000
Aquaculture c						
Mussels	1 064	2 837	1 260	2 816	926	1 853
Yabbies	5	65	4	78	5	91
Trout d	1 648	12 316	1 631	10 533	1 693	8 624
Eels e	43	450	116	1 462	88	1 241
Ornamental fish	0	2 566	0	2 741	0	2 523
Warmwater finfish f	105	1 766	110	1 863	162	1 678
Abalone	102	3 561	124	4 454	160	5 597
Total	2 966	23 561	3 246	23 946	3 034	21 607
Total production	8 640	95 775	8 540	109 845	8 194	97 607

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 silver perch. **p** Preliminary. **s** Estimates.

Sources: ABARE; Fisheries Victoria, Department of Primary Industries; Melbourne Wholesale Fish Market.

 fisheries production – Queensland

	2003-04		2004-05 ^p		2005-06 ^s	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Prawns						
Endeavour	1 139	8 539	820	6 151	946	7 098
King	3 355	48 809	2 990	43 740	2 742	40 151
Tiger	2 268	31 755	1 852	25 922	1 836	25 700
Other	1 604	11 861	970	6 828	700	4 897
Total	8 366	100 964	6 632	82 641	6 223	77 846
Crabs	4 307	32 303	3 611	25 692	2 710	18 931
Lobster (mainly bugs)	691	12 146	790	14 242	782	13 935
Other	0	0	0	0	0	0
Total	13 364	145 413	11 033	122 576	9 715	110 711
Molluscs						
Scallops	2 046	10 020	3 185	15 770	1 653	8 103
Squid	204	1 134	237	1 306	157	867
Total	2 249	11 154	3 423	17 077	1 810	8 970
Fish						
Snapper	151	1 059	199	1 392	185	1 292
Barramundi	912	8 212	763	6 868	754	6 786
Bream (including tarwhine)	220	887	207	837	194	781
Mullet	2 317	5 793	1 745	4 364	1 607	4 020
Tailor	127	382	150	449	115	344
Whiting	893	2 568	1 284	3 315	1 396	3 391
Coral trout	1 606	48 169	1 091	32 724	1 134	34 020
Red throat emperor	679	2 717	226	903	215	860
Blue threadfin	337	1 350	253	1 010	163	651
King threadfin	439	1 975	436	1 964	336	1 514
Shark	1 978	5 669	1 533	4 960	960	3 138
Spotted mackerel	98	490	102	512	66	329
Spanish mackerel	756	5 292	508	3 555	537	3 759
Grey mackerel	618	2 783	718	3 231	575	2 587
Other species	3 042	13 035	2 122	8 406	1 784	7 234
Total	14 175	100 382	11 338	74 491	10 020	70 706
Total wild caught	29 789	256 949	25 794	214 143	21 545	190 388
Aquaculture ^a						
Prawns	3 360	53 330	2 964	45 900	3 300	46 500
Barramundi	1 200	10 050	1 437	11 920	1 730	13 900
Oysters	na	730	na	736	na	570
Pearls	0	340	0	0	0	0
Silver perch	56	450	62	516	60	510
Jade perch	38	300	31	259	39	320
Redclaw	91	1 240	99	1 280	103	1 270
Other ^b	47	2 200	54	3 889	58	3 050
Total	4 792	68 640	4 647	64 500	5 290	66 120
Total production	34 581	325 589	30 441	278 643	26 835	256 508

^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.

10 fisheries production – Western Australia

	2003-04		2004-05 p		2005-06 s	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Rock lobster	13 744	261 434	12 303	264 659	10 435	292 063
Prawns	3 829	45 497	3 638	43 858	3 332	38 014
Crabs	1 171	7 429	1 269	7 646	1 042	6 366
Other	28	286	30	313	17	173
Total	18 772	314 646	17 240	316 476	14 826	336 616
Molluscs						
Abalone	351	14 180	304	12 650	306	12 653
Scallops	2 341	8 336	6 879	23 529	2 780	9 255
Squid	1 060	3 989	74	277	32	115
Other a	328	13 377	306	13 332	253	13 202
Total	4 080	39 882	7 563	49 788	3 371	35 225
Fish						
Tuna	15	94	12	82	8	34
Shark	2 228	5 631	2 717	6 585	1 641	4 621
Sharkfin	0	1 521	0	2 040	0	1 055
Australian salmon	2 483	1 068	1 255	540	2 004	862
Cobbler	210	676	193	644	137	523
WA dhufish	239	2 133	227	3 070	212	2 859
Spanish mackerel	488	3 174	347	2 250	263	1 590
Sea mullet	305	671	250	548	200	439
Yelloweye mullet	52	46	47	69	38	56
Australian sardine	1 813	1 632	1 828	1 645	1 907	1 715
Australian herring	438	174	278	111	353	141
Whiting	163	744	188	945	196	921
Breams	128	504	159	737	123	536
Emperors	1 325	4 053	1 153	4 021	1 020	3 643
Pink snapper	817	4 044	680	3 367	677	3 352
Rockcods	414	1 847	450	2 301	457	2 252
Tropical snappers	1 954	10 018	2 239	11 829	2 059	10 898
Other	4 402	7 925	3 859	7 519	3 604	6 983
Total	17 474	45 955	15 882	48 303	14 899	42 480
Other NEI b	87	259	91	272	66	199
Total wild caught	40 413	400 742	40 776	414 839	33 162	414 520
Aquaculture c						
Pearls	na	122 000	na	122 000	na	122 000
Yabbies	71	1 010	73	1 120	66	985
Marron	50	1 091	55	1 485	54	1 336
Mussels	763	2 063	531	1 515	671	1 897
Fish	359	2 494	316	1 699	57	600
Gold fish / koi carp	na	118	na	189	na	271
Ornamental	na	208	na	147	na	212
Other d	na	545	na	320	na	608
Total	1 243	129 529	975	128 475	848	127 909
Total production	41 656	530 271	41 751	543 314	34 010	542 429

a Value includes pearl oyster shells 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.

11 fisheries production – South Australia

	2003-04		2004-05		2005-06 p	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Prawns	2 126	43 423	2 173	35 805	2 070	36 909
Rock lobster	2 400	61 365	2 343	66 041	2 365	81 170
Crab	707	4 020	780	4 125	791	4 155
Other	21	272	20	218	19	221
Total	5 254	109 080	5 316	106 189	5 245	122 455
Molluscs						
Abalone	877	31 508	902	33 821	896	33 859
Pipi	1 073	1 441	1 103	1 352	1 025	1 650
Squid	302	2 555	504	2 823	311	2 101
Other	449	1 709	493	1 918	504	1 805
Total	2 701	37 213	3 002	39 914	2 736	39 415
Fish a						
Australian salmon	159	269	137	227	180	354
Mullet	155	367	160	361	164	414
Australian herring	150	300	183	353	126	318
Snapper	413	2 801	504	3 301	529	3 252
King george whiting	352	4 298	347	3 585	336	3 944
Garfish	319	1 822	364	1 929	369	2 104
Leather jackets	501	626	349	519	168	228
Australian sardine	33 160	22 549	46 388	23 194	28 626	16 031
Yellowfin whiting	163	910	138	764	130	848
Snook	81	206	83	188	61	171
Callop (golden perch)	80	812	102	1 034	123	1 222
Other species	1 029	1 283	1 112	1 401	1 247	1 918
Total	36 562	36 243	49 867	36 856	32 059	30 804
Total wild caught	44 517	182 536	58 185	182 959	40 040	192 674
Aquaculture b						
Yabbies	10	153	20	306	3	48
Marron	18	480	22	587	12	351
Oysters	4 382	21 152	3 255	19 995	5 340	32 480
Southern bluefin tuna c	9 558	243 217	7 458	139 955	8 806	155 795
Barramundi	216	2 255	217	2 265	241	2 029
Trout	40	330	66	545	66	447
Abalone	105	3 155	177	5 318	229	8 516
Mussels	400	697	377	657	586	1 188
Other d	894	7 534	2 019	17 015	1 652	13 643
Total	15 623	278 973	13 611	186 643	16 935	214 497
Total production	60 140	461 509	71 796	369 602	56 975	407 171

a Excludes shark from the southern shark fishery. **b** Excludes hatchery production. Data from 2004-05 from Primary Industries and Resources South Australia. **c** Processed weight. Input of wildcaught southern bluefin tuna from Commonwealth southern bluefin tuna fishery was 5189 tonnes in 2005-06, 5215 tonnes in 2004-05 and 5002 tonnes in 2003-04. **d** Includes snapper, microalgae, murray cod, yellowtail kingfish, golden perch and aquarium fish. **p** Preliminary.

Sources: ABARE; South Australian Research and Development Institute; Primary Industries and Resources, South Australia.

12 fisheries production – Tasmania

	2003-04		2004-05 p		2005-06 s	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Rock lobster	1 601	43 690	1 611	47 779	1 482	52 598
Giant crab	64	1 540	59	1 559	62	1 930
Other	0	0	1	6	0	0
Total	1 665	45 230	1 671	49 345	1 544	54 528
Molluscs						
Abalone	2 645	88 655	2 709	105 397	2 431	104 344
Octopus	71	400	80	439	98	479
Scallop	3 542	4 420	4 831	6 566	3 566	6 374
Other	162	962	174	896	79	368
Total	6 420	94 437	7 794	113 297	6 174	111 565
Fish a						
Australian salmon	167	197	281	469	253	388
Cod	2	5	1	3	2	4
Garfish	66	327	86	441	88	492
Banded morwong	46	278	45	435	48	474
Jackass morwong	17	23	18	39	13	27
Elephant shark	10	19	8	16	6	12
Bastard trumpeter	23	114	17	74	23	117
Striped trumpeter	38	318	26	227	18	167
School whiting	55	102	38	84	28	71
Wrasse	75	618	101	865	85	828
Shark	60	230	55	233	24	121
Other	276	727	331	749	242	796
Total	836	2 956	1 007	3 635	829	3 497
Other NEI	65	111	77	159	34	59
Total wild caught	8 987	142 733	10 549	166 436	8 581	169 649
Aquaculture b						
Salmonids c	14 828	126 184 d	15 149	134 068 d	19 219	221 013
Oysters	2 456	17 387	2 462	17 432	2 389	16 720
Mussels	357	1 251	696	2 436	1 006	3 772
Abalone	43	1 625	89	3 384	143	5 652
Other	0	0	0	0	0	0
Total	17 684	146 447	18 396	157 320	22 756	247 156
Total production	26 671	289 181	28 945	323 756	31 337	416 805

a Excludes shark from the Commonwealth southern shark fishery. b Excludes hatchery production. c Includes Atlantic salmon and ocean trout, weight in HOGG (head on, gilled and gutted). d ABARE estimate. p Preliminary. s Estimates.

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

13 fisheries production – Northern Territory

	2003-04		2004-05 p		2005-06 s	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Crab	437	4 473	427	4 370	272	4 499
Other	26	213	28	235	31	280
Total	463	4 686	455	4 605	303	4 780
Molluscs						
Scallops	4	14	0	0	0	0
Squid	5	30	1	7	1	7
Other	92	867	144	1 236	60	588
Total	101	910	146	1 243	62	595
Fish						
Tuna	8	29	12	46	12	17
Shark	1 102	7 053	1 299	8 137	857	2 184
Snapper	240	1 446	277	1 717	290	1 044
Barramundi	701	3 575	666	3 469	634	3 871
Threadfin salmon	375	699	347	671	349	884
Jewfish (mulloway)	232	580	308	753	248	636
Emperor	106	593	79	449	75	404
Cod	44	217	39	187	41	150
Mackerel	908	4 027	915	4 042	916	4 505
Gold band snapper	540	3 211	597	3 556	623	3 885
Sea perch	818	3 797	706	3 278	744	2 771
Other	220	691	198	611	0	0
Total	5 294	25 918	5 445	26 918	4 789	20 352
Total wild caught	5 858	31 514	6 045	32 766	5 153	25 727
Aquaculture a	na	27 800	na	24 800	na	26 000
Total production	5 858	59 314	6 045	57 566	5 153	51 727

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. **p** Preliminary. **s** Estimates. **na** Not available.
Sources: ABARE; Northern Territory Department of Primary Industries, Fisheries and Mines.

14 fisheries production – Commonwealth

	2003-04		2004-05 p		2005-06 s	
	t	\$'000	t	\$'000	t	\$'000
Northern prawn						
Prawn						
Tiger	2 186	32 072	1 785	29 152	1 749	35 661
Banana	3 572	36 616	2 827	31 057	3 247	32 799
Endeavour	418	4 388	412	3 948	281	3 251
King	1	12	2	30	19	249
Other prawns	15	37	9	75	8	60
Total prawns	6 192	73 125	5 035	64 263	5 305	72 020
Other species	85	853	89	736	95	826
Total	6 277	73 979	5 124	64 999	5 400	72 847
Torres Strait						
Prawn						
Tiger	653	8 819	706	9 525	567	7 226
Endeavour	705	5 290	663	4 908	694	5 206
King	85	974	59	587	47	534
Other prawns	4	9	12	123	8	88
Other a	38	390	35	439	26	187
Total	1 485	15 481	1 474	15 582	1 342	13 241
Tropical rock lobster	807	14 399	872	15 946	597	12 258
Spanish mackerel						
Spanish mackerel	152	914	191	1 432	208	1 401
Other species	2	5	18	28	9	45
Total	154	919	209	1 460	216	1 447
Reef Line b	190	2 186	154	1 714	67	898
Pearls	0	0	0	0	0	0
Total	2 636	32 986	2 710	34 702	2 223	27 844
SESS Commonwealth trawl sector c						
Orange roughy	2 373	7 880	3 166	14 027	2 218	5 768
Blue grenadier	8 678	11 021	6 310	11 295	4 230	7 167
Tiger flathead	3 726	8 047	3 338	6 843	2 563	5 971
Redfish	638	918	510	716	489	880
Blue warehou	279	605	267	573	397	723
Silver warehou	3 392	4 324	2 787	3 646	2 586	3 362
School whiting	450	951	290	387	370	802
Jackass morwong	719	1 264	783	1 628	770	1 432
Ling	1 092	4 967	872	3 621	741	3 991
Gemfish	177	494	221	729	253	737
Silver trevally	159	274	86	137	90	190
Mirror dory	617	1 219	574	1 004	489	1 217
Royal red prawn	192	317	173	328	167	266
Ocean perch	325	720	327	876	223	459
John dory	178	1 030	142	890	100	815
Blue eye trevalla	56	408	47	322	55	385
Gummy shark	99	437	98	571	89	452
School shark	29	91	23	102	19	95
Saw shark	135	288	140	407	154	380
Elephant fish	52	49	48	87	65	76
Other	4 723	9 243	4 854	10 736	3 869	8 459
Total	28 089	54 547	25 055	58 926	19 937	43 627

Continued

14 fisheries production – Commonwealth *continued*

	2003-04		2004-05 p		2005-06 s	
	t	\$'000	t	\$'000	t	\$'000
SESS Commonwealth gillnet and hook sectors d						
Blue eye trevalla	651	4 931	453	3 406	484	2 948
Blue warehou	2	4	1	3	1	2
Ling	554	2 592	892	3 228	541	2 701
Gummy shark	2 429	12 189	2 453	14 302	2 179	11 613
School shark	318	1 400	261	1 144	308	1 541
Saw shark	319	668	307	596	264	542
Elephant fish	46	24	57	103	71	82
Other shark	215	305	199	401	232	439
Other species	392	1 386	418	1 407	423	1 673
Total	4 926	23 499	5 041	24 591	4 502	21 540
SESS Commonwealth GAB trawl sector c						
Orange roughy	215	715	185	820	150	570
Rock flathead	2 482	6 429	2 281	7 708	1 546	6 260
Bight redfish	946	2 130	1 006	1 820	790	1 974
Leather jacket	351	530	535	711	463	755
Angel shark	246	579	319	475	336	508
Boarfish	158	369	159	358	193	503
Jackass morwong	129	226	125	260	134	180
Squid	183	279	116	278	243	404
Knifejaw	67	134	92	61	102	67
Gemfish	336	940	257	845	252	971
Blue grenadier	169	214	342	612	224	688
Queen snapper	65	368	74	350	70	186
Silver warehou	5	7	20	26	44	58
School shark	2	6	3	13	2	9
Gummy shark	80	393	94	547	88	421
Saw shark	65	139	64	187	81	246
Elephant fish	4	4	2	4	4	6
Other	354	843	591	1 579	684	1 700
Total	5 858	14 304	6 263	16 654	5 406	15 505

Continued

14 fisheries production – Commonwealth *continued*

	2003-04		2004-05 ^p		2005-06 ^s	
	t	\$'000	t	\$'000	t	\$'000
Eastern tuna and billfish – longline and minor line						
Yellowfin	2 422	20 393	1 960	16 795	1 385	10 262
Skipjack	2	3	1	2	13	13
Albacore	557	957	632	1 074	1 299	2 468
Bigeye	795	8 448	858	8 675	516	4 483
Billfish	2 267	14 622	2 068	13 678	1 911	10 209
Other	925	2 407	742	2 246	635	1 269
Total	6 967	46 831	6 261	42 471	5 758	28 704
Southern bluefin tuna	5 080	38 156	5 421	43 807	5 220	37 525
Western tuna and billfish ^f						
Albacore	54	91	18	31	na	na
Skipjack	0	0	0	0	na	na
Yellowfin	162	951	48	424	na	na
Bigeye	159	1 699	64	651	na	na
Other tuna	10	24	17	101	na	na
Billfish	767	5 271	316	2 312	na	na
Other species	82	164	31	63	na	na
Total	1 232	8 201	495	3 584	480	2 749
Bass Strait scallop	1 113	1 475	339	387	171	191
Other fisheries ^d	15 635	47 974	15 582	39 849	13 672	27 492
Total production	77 813	341 950	72 293	329 970	62 769	278 025

^a Mainly Morten Bay bugs, scallops and squid. ^b Includes non-spanish mackerel fish caught by long line. ^c Shark converted to whole weight. ^d Although shark quotas are reported as trunk weight, shark weights reported in this table are whole weight equivalents. ^e Includes north west slope, western deepwater, southern squid, small pelagics, Macquarie Island, Coral Sea, Cocos and Christmas Islands, SESS Victorian coastal waters sector (trawl), Heard and MacDonalld Islands, SESS East coast deepwater trawl sector, and Norfolk Island fisheries. ^f Quantity and value by species in 2005-06 is confidential. ^p Preliminary. ^s Estimates. **na** Not available.
Sources: Australian Fisheries Management Authority; ABARE.

15 aquaculture production in 2003-04, by state - Australia ^a

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust.
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish								
Salmon	5	0	0	0	0	126 184 ^s	na	126 189
Trout	1 552	12 316 ^b	0	0	330	0	na	14 198
Tuna	0	0	0	0	243 217	0	na	243 217
Silver perch	2 322	0	450	0	0	0	na	2 772
Barramundi	1 128	0	10 050	0	2 255	0	na	13 433
Other ^c	516	4 782	300	2 612	0	0	na	8 210
Total	5 523	17 098	10 800	2 612	245 802	126 184	na	408 020
Crustaceans								
Prawn	4 432	0	53 330	0	0	0	na	57 762
Yabbies	354	65	0	1 010	153	0	na	1 582
Marron	0	0	0	1 091	480	0	na	1 571
Redclaw	3	0	1 240	0	0	0	na	1 243
Total	4 788	65	54 570	2 101	633	0	na	62 157
Molluscs								
Edible oysters	37 921	0	730	0	21 152	17 387	na	77 191
Pearl oysters ^d	0	0	340	122 000	0	0	na	122 340
Mussels	261	2 837	0	2 063	697	1 251	na	7 109
Other ^e	0	3 561	0	0	3 155	1 625	na	8 341
Total	38 182	6 398	1 070	124 063	25 004	20 263	na	214 980
Other NEI f	1 154	0	2 200	753	7 534	0	27 800	39 441
Total value	49 647	23 561	68 640	129 529	278 973	146 447	27 800	724 597
Quantity								
	t	t	t	t	t	t	t	t
Fish								
Salmon	1	0	0	0	0	14 828	na	14 828
Trout	170	1 648 ^b	0	0	40	0	na	1 857
Tuna	0	0	0	0	9 558	0	na	9 558
Silver perch	239	0	56	0	0	0	na	295
Barramundi	101	0	1 200	0	216	0	na	1 517
Other ^c	39	148	38	359	0	0	na	584
Total	550	1 795	1 294	359	9 814	14 828	na	28 640
Crustaceans								
Prawn	363	0	3 360	0	0	0	na	3 723
Yabbies	28	5	0	71	10	0	na	114
Marron	0	0	0	50	18	0	na	68
Redclaw	0	0	91	0	0	0	na	91
Total	392	5	3 451	121	28	0	na	3 997
Molluscs								
Edible oysters	5 852	0	0	0	4 382	2 456	na	12 690
Pearl oysters	0	0	0	0	0	0	na	0
Mussels	44	1 064	0	763	400	357	na	2 628
Other ^e	0	102	0	0	105	43	na	250
Total	5 896	1 166	0	763	4 887	2 856	na	15 568
Other NEI f	0	0	47	0	894	0	na	941
Total quantity	6 838	2 966	4 792	1 243	15 623	17 684	na	49 146

^a Excludes hatchery production, crocodiles, microalgae and aquarium worms. ^b Includes salmon production. ^c Includes eels, other native fish and aquarium fish. ^d Total value of pearl production will be an underestimate as it excludes the value of production in NT which remains confidential. ^e Includes scallops, giant clams and abalone. ^f 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 ABARE estimate. **na** Not available.

Sources: ABARE; Queensland Bribie Island Aquaculture Research Centre; Fisheries Victoria, Department of Primary Industries; New South Wales Department of Primary Industries; Northern Territory Department of Primary Industries, Fisheries and Mines; South Australian Research and Development Institute; Primary Industries and Resources, South Australia; Tasmanian Department of Primary Industries and Water; Department of Fisheries, Western Australia.

16 aquaculture production in 2004-05, by state - Australia ap

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust.
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish								
Salmon	0	0	0	0	0	134 068 s	na	134 068
Trout	1 784	10 533 b	0	0	545	0	na	12 862
Tuna	0	0	0	0	139 955	0	na	139 955
Silver perch	2 431	0	516	0	0	0	na	2 947
Barramundi	1 360	0	11 920	0	2 265	0	na	15 545
Other c	1 184	6 065	259	1 888	0	0	na	9 396
Total	6 758	16 598	12 695	1 888	142 765	134 068	na	314 772
Crustaceans								
Prawn	4 464	0	45 900	0	0	0	na	50 364
Yabbies	362	78	0	1 120	306	0	na	1 866
Marron	0	0	0	1 485	587	0	na	2 072
Redclaw	2	0	1 280	0	0	0	na	1 282
Total	4 827	78	47 180	2 605	893	0	na	55 583
Molluscs								
Edible oysters	35 886	0	736	0	19 995	17 432	na	74 049
Pearl oysters d	0	0	0	122 000	0	0	na	122 000
Mussels	215	2 816	0	1 515	657	2 436	na	7 639
Other e	0	4 454	0	0	5 318	3 384	na	13 156
Total	36 101	7 270	736	123 515	25 970	23 252	na	216 844
Other NEI f	686	0	3 889	467	17 015	0	24 800	46 857
Total value	48 372	23 946	64 500	128 475	186 643	157 320	24 800	634 056
Quantity								
	t	t	t	t	t	t	t	t
Fish								
Salmon	0	0	0	0	0	15 149	na	15 149
Trout	218	1 631 b	0	0	66	0	na	1 915
Tuna	0	0	0	0	7 458	0	na	7 458
Silver perch	270	0	62	0	0	0	na	332
Barramundi	121	0	1 437	0	217	0	na	1 775
Other c	52	226	31	316	0	0	na	625
Total	661	1 857	1 530	316	7 741	15 149	na	27 254
Crustaceans								
Prawn	294	0	2 964	0	0	0	na	3 258
Yabbies	23	4	0	73	20	0	na	120
Marron	0	0	0	55	22	0	na	77
Redclaw	0	0	99	0	0	0	na	99
Total	317	4	3 063	128	42	0	na	3 555
Molluscs								
Edible oysters	4 727	0	0	0	3 255	2 462	na	10 445
Pearl oysters	0	0	0	0	0	0	na	0
Mussels	36	1 260	0	531	377	696	na	2 900
Other e	0	124	0	0	177	89	na	390
Total	4 764	1 384	0	531	3 809	3 247	na	13 735
Other NEI f	0	0	54	0	2 019	0	na	2 073
Total quantity	5 742	3 246	4 647	975	13 611	18 396	na	46 617

a Excludes hatchery production, crocodiles, microalgae and aquarium worms. b Includes salmon production. c Includes eels, other native fish and aquarium fish. d Total value of pearl production will be an underestimate as it excludes the value of production in NT which remains confidential. e Includes scallops, giant clams and abalone. f 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 ABARE estimate. na Not available.

Sources: ABARE; Queensland Bribie Island Aquaculture Research Centre; Fisheries Victoria, Department of Primary Industries; New South Wales Department of Primary Industries; Northern Territory Department of Primary Industries, Fisheries and Mines; South Australian Research and Development Institute; Primary Industries and Resources, South Australia; Tasmanian Department of Primary Industries and Water; Department of Fisheries, Western Australia.

17 aquaculture production in 2005-06, by state - Australia as

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust.
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish								
Salmon	0	0	0	0	0	221 013	na	221 013
Trout	1 742	8 624 b	0	0	447	0	na	10 813
Tuna	0	0	0	0	155 795	0	na	155 795
Silver perch	2 770	0	510	0	0	0	na	3 280
Barramundi	1 238	0	13 900	0	2 029	0	na	17 167
Other c	720	5 442	320	871	0	0	na	7 353
Total	6 470	14 066	14 730	871	158 271	221 013	na	415 421
Crustaceans								
Prawn	3 387	0	46 500	0	0	0	na	49 887
Yabbies	214	91	0	985	48	0	na	1 338
Marron	0	0	0	1 336	351	0	na	1 687
Redclaw	2	0	1 270	0	0	0	na	1 272
Total	3 602	91	47 770	2 321	399	0	na	54 183
Molluscs								
Edible oysters	34 093	0	570	0	32 480	16 720	na	83 863
Pearl oysters d	0	0	0	122 000	0	0	na	122 000
Mussels	207	1 853	0	1 897	1 188	3 772	na	8 916
Other e	0	5 597	0	0	8 516	5 652	na	19 765
Total	34 300	7 450	570	123 897	42 184	26 143	na	234 544
Other NEI f	655	0	3 050	820	13 643	0	26 000	44 168
Total value	45 027	21 607	66 120	127 909	214 497	247 156	26 000	748 316
Quantity	t	t	t	t	t	t	t	t
Fish								
Salmon	0	0	0	0	0	19 219	na	19 219
Trout	196	1 693 b	0	0	66	0	na	1 955
Tuna	0	0	0	0	8 806	0	na	8 806
Silver perch	301	0	60	0	0	0	na	361
Barramundi	104	0	1 730	0	241	0	na	2 075
Other c	52	250	39	57	0	0	na	397
Total	652	1 943	1 829	57	9 113	19 219	na	32 812
Crustaceans								
Prawn	241	0	3 300	0	0	0	na	3 541
Yabbies	19	5	0	66	3	0	na	93
Marron	0	0	0	54	12	0	na	66
Redclaw	0	0	103	0	0	0	na	103
Total	260	5	3 403	120	15	0	na	3 803
Molluscs								
Edible oysters	4 267	0	0	0	5 340	2 389	na	11 995
Pearl oysters	0	0	0	0	0	0	na	0
Mussels	34	926	0	671	586	1 006	na	3 223
Other e	0	160	0	0	229	143	na	532
Total	4 301	1 086	0	671	6 155	3 537	na	15 750
Other NEI f	0	0	58	0	1 652	0	na	1 710
Total quantity	5 212	3 034	5 290	848	16 935	22 756	na	54 076

a Excludes hatchery production, crocodiles, microalgae and aquarium worms. **b** Includes salmon production. **c** Includes eels, other native fish and aquarium fish. **d** Total value of pearl production will be an underestimate as it excludes the value of production in NT which remains confidential. **e** Includes scallops, giant clams and abalone. **f** 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** ABARE estimate. **na** Not available.

Sources: ABARE; Queensland Bribie Island Aquaculture Research Centre; Fisheries Victoria, Department of Primary Industries; New South Wales Department of Primary Industries; Northern Territory Department of Primary Industries, Fisheries and Mines; South Australian Research and Development Institute; Primary Industries and Resources, South Australia; Tasmanian Department of Primary Industries and Water; Department of Fisheries, Western Australia.

18 exports of fisheries products – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Edible						
Fish						
Live	na	39 316	na	34 946	na	40 078
Fresh, chilled or frozen						
Whole						
Tuna a	12 560	271 724	10 277	162 450	11 305	177 421
Other	7 874	39 361	10 129	47 105	7 228	30 626
Fillets	2 779	17 007	2 537	18 612	2 023	14 637
Canned	834	6 354	1 234	6 587	1 204	6 797
Dried, salted and smoked	187	19 471	164	20 047	135	13 687
Other fish products	1 736	16 748	1 591	14 627	1 364	11 515
Total fish b	25 970	409 980	25 931	304 375	23 260	294 762
Crustaceans and molluscs						
Rock lobster	13 453	426 833	12 636	439 575	11 938	489 351
Prawns	9 396	160 603	10 302	163 104	8 744	133 923
Abalone	4 910	237 680	4 004	263 150	3 665	245 627
Scallops	1 464	34 916	1 209	32 566	1 485	38 773
Oysters	119	1 182	174	1 746	187	1 783
Crabs	1 616	17 491	1 638	18 180	1 545	17 895
Other	1 592	30 648	1 427	13 324	1 479	15 227
Total	32 548	909 353	31 389	931 644	29 042	942 579
Total edible b	58 518	1 319 333	57 320	1 236 019	52 302	1 237 341
Nonedible						
Marine fats and oils	na	2 305	na	2 234	na	3 638
Fish meal	na	15 212	na	8 239	na	9 421
Pearls c	na	310 365	na	291 004	na	289 506
Ornamental fish	na	1 858	na	1 473	na	1 492
Other nonedible	na	2 816	na	2 747	na	5 588
Total nonedible	na	332 556	na	305 698	na	309 646
Total fisheries products	na	1 651 889	na	1 541 717	na	1 546 987

a Exports of tuna landed in Australia. **b** Excludes live tonnage but includes live value. **c** Includes items temporarily exported. **na** Not available.
 Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

19 exports of fish – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Tuna a						
Whole						
Fresh or chilled	6 675	125 405	4 315	67 468	4 473	68 088
Frozen	5 885	146 319	5 962	94 982	6 832	109 333
Canned	238	1 612	646	2 723	387	2 010
Other	15	120	26	533	2	16
Total	12 813	273 456	10 949	165 706	11 694	179 447
Salmon						
Whole						
Fresh or chilled	206	1 678	1 109	7 653	721	4 534
Frozen	25	497	66	777	61	186
Smoked	25	504	18	461	31	643
Canned	196	1 480	318	1 912	493	2 765
Total	453	4 158	1 511	10 804	1 306	8 128
Other fish						
Live	na	39 316	na	34 946	na	40 078
Whole						
Fresh or chilled	2 026	20 638	1 768	17 761	1 332	13 337
Frozen						
Whiting	1 005	2 217	1 908	4 006	2 184	4 634
Other	4 611	14 333	5 277	16 908	2 931	7 936
Fillets						
Fresh or chilled	119	1 394	167	2 064	225	2 728
Frozen	2 661	15 612	2 370	16 548	1 798	11 909
Other (fresh, chilled or frozen)	1 656	14 977	1 467	12 689	1 240	9 774
Canned	400	3 262	270	1 952	323	2 022
Dried, salted and smoked	162	18 967	145	19 586	105	13 044
Other	65	1 651	98	1 405	123	1 725
Total b	12 704	132 366	13 472	127 865	10 259	107 187
Total fish b	25 970	409 980	25 931	304 375	23 260	294 762

a Exports of tuna landed in Australia. **b** Excludes live tonnage but includes live value. **na** Not available.

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

20 exports of crustaceans and molluscs – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Rock lobster						
Whole						
Live, fresh or chilled	7 202	227 898	6 899	239 128	7 114	295 617
Frozen	836	20 820	741	20 818	547	17 830
Cooked	2 852	69 782	2 545	69 666	2 252	74 001
Tails (fresh, chilled or frozen)	2 062	102 506	1 849	100 572	1 612	97 335
Other	501	5 829	603	9 391	412	4 568
Total	13 453	426 833	12 636	439 575	11 938	489 351
Prawns						
Headless	307	5 353	437	6 639	150	2 835
Whole	8 852	151 488	9 623	153 239	8 409	128 872
Other	237	3 762	242	3 225	185	2 216
Total	9 396	160 603	10 302	163 104	8 744	133 923
Crabs						
Fresh, frozen or cooked	1 611	17 451	1 632	18 110	1 539	17 817
Other	5	40	6	70	6	78
Total	1 616	17 491	1 638	18 180	1 545	17 895
Abalone						
Fresh, chilled or frozen	2 119	117 482	2 032	123 856	2 133	131 533
Canned	2 791	120 198	1 972	139 294	1 532	114 094
Total	4 910	237 680	4 004	263 150	3 665	245 627
Scallops						
Fresh, chilled or frozen	1 460	34 789	1 208	32 560	1 484	38 748
Other	4	126	0	6	0	25
Total	1 464	34 916	1 209	32 566	1 485	38 773
Other	1 711	31 830	1 601	15 069	1 666	17 011
Total crustaceans and molluscs	32 548	909 353	31 389	931 644	29 042	942 579

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

21 exports of edible fish, by destination – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Tuna a						
Fresh or chilled (whole)						
France	0	0	3	17	24	175
Japan	6 396	121 807	4 079	64 951	3 638	61 705
Samoa	26	85	92	231	163	433
United States	227	3 247	130	2 088	348	4 732
Viet Nam	16	50	0	0	277	821
Other	11	216	11	181	23	221
Total	6 675	125 405	4 315	67 468	4 473	68 088
Frozen (whole)						
Japan	5 595	145 434	5 188	93 225	6 433	108 269
Samoa	135	321	430	1 214	280	764
Thailand	92	289	320	359	114	242
United States	23	174	10	143	3	37
Other	40	100	14	41	2	22
Total	5 885	146 319	5 962	94 982	6 832	109 333
Salmon						
Fresh or chilled (whole)						
Hong Kong, China	4	69	11	216	16	129
Indonesia	22	230	47	414	12	120
Japan	172	1 280	938	6 248	677	4 137
Singapore	1	19	52	329	6	41
Thailand	4	44	9	100	4	37
United Arab Emirates	1	14	4	59	2	17
United States	0	3	27	139	2	18
Other	2	19	21	149	2	36
Total	206	1 678	1 109	7 653	721	4 534
Frozen (whole)						
Egypt	0	0	16	52	28	39
Fiji	2	21	0	0	2	25
Hong Kong, China	5	128	9	216	1	11
Indonesia	3	78	8	178	1	21
Japan	4	69	24	160	1	24
New Zealand	0	0	0	0	27	43
Thailand	5	102	5	107	1	10
Other	6	98	3	65	1	13
Total	25	497	66	777	61	186
Whiting						
Frozen (whole)						
China	382	843	607	1 352	433	796
Hong Kong, China	0	0	13	28	14	330
Japan	139	307	0	0	0	0
Samoa	0	0	29	78	193	463
Singapore	0	0	0	0	54	108
Thailand	469	1 032	1 245	2 534	1 453	2 863
Other	15	34	14	14	37	75
Total	1 005	2 217	1 908	4 006	2 184	4 634

Continued

21 exports of edible fish, by destination – Australia *continued*

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Canned						
Tuna						
New Zealand	218	1 403	617	2 504	310	1 388
United States	8	156	6	119	66	552
Other	12	53	22	101	11	71
Total	238	1 612	646	2 723	387	2 010
Salmon						
New Zealand	192	1 432	311	1 838	465	2 488
United States	0	0	0	0	26	258
Other	5	48	7	74	2	18
Total	196	1 480	318	1 912	493	2 765
Other fish						
New Zealand	178	1 039	75	747	103	795
Singapore	134	903	86	447	69	347
Other	89	1 321	109	759	151	880
Total	400	3 262	270	1 952	323	2 022

^a Exports of tuna landed in Australia.

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

22 exports of crustaceans, by destination – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Rock lobster						
Whole						
Live, fresh or chilled						
China	129	4 711	705	26 132	260	10 841
Chinese Taipei	920	24 943	867	28 064	650	24 555
France	82	2 189	109	3 711	90	3 365
Hong Kong, China	4 658	154 347	3 976	138 545	5 100	216 595
Japan	1 276	36 889	1 071	35 956	900	35 388
Malaysia	24	850	29	1 332	20	956
Singapore	34	1 275	43	1 731	31	1 554
United Arab Emirates	11	331	17	629	21	822
United States	16	531	29	1 060	18	646
Other	52	1 832	51	1 968	24	896
Total	7 202	227 898	6 899	239 128	7 114	295 617
Frozen						
China	132	2 970	59	1 586	113	3 484
Chinese Taipei	87	1 974	45	1 283	12	369
Greece	11	323	15	385	9	305
Hong Kong, China	19	472	92	2 510	24	486
Japan	532	13 776	499	13 802	343	11 739
Mauritius	0	0	0	0	13	494
United Kingdom	0	0	1	38	13	401
Other	54	1 304	30	1 214	20	552
Total	836	20 820	741	20 818	547	17 830
Cooked						
China	1 366	31 749	1 107	29 672	970	30 755
Chinese Taipei	362	8 631	281	7 571	162	4 918
Hong Kong, China	73	1 924	255	6 847	325	10 410
Japan	669	17 727	526	15 389	542	19 124
Singapore	251	5 861	171	4 560	125	3 945
Other	131	3 890	205	5 626	128	4 849
Total	2 852	69 782	2 545	69 666	2 252	74 001
Tails						
Fresh, chilled or frozen						
France	70	3 678	0	0	72	4 880
Hong Kong, China	10	475	18	594	12	593
Japan	141	5 894	38	2 031	42	2 303
United Kingdom	0	0	16	837	10	510
United States	1 757	90 023	1 748	96 050	1 467	88 585
Other	83	2 436	29	1 060	9	464
Total	2 062	102 506	1 849	100 572	1 612	97 335
Other						
France	12	450	66	1 775	17	775
Japan	414	3 173	395	3 611	284	1 248
United Kingdom	4	178	8	286	31	1 228
United States	47	1 645	48	1 497	22	531
Other	24	382	86	2 223	58	787
Total	501	5 829	603	9 391	412	4 568
Total rock lobster	13 453	426 833	12 636	439 575	11 938	489 351

Continued

22 exports of crustaceans, by destination – Australia *continued*

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Prawns						
Headless						
Greece	5	88	0	0	12	155
Japan	179	3 917	150	3 599	121	2 490
Malaysia	0	0	4	99	5	33
New Zealand	50	527	34	343	1	7
United States	1	33	3	69	3	57
Viet Nam	52	319	157	1 213	7	66
Other	19	468	89	1 316	2	28
Total	307	5 353	437	6 639	150	2 835
Whole						
China	1 151	15 777	1 540	19 601	1 107	11 905
Greece	721	14 051	533	8 866	391	6 907
Hong Kong, China	925	15 985	659	9 593	401	5 758
Italy	13	241	42	956	382	7 290
Japan	3 063	62 751	3 466	68 784	2 993	57 151
Portugal	24	413	54	815	416	5 165
Spain	1 697	23 069	1 972	26 524	1 434	18 972
Thailand	124	1 442	198	2 290	376	3 817
United States	54	1 189	29	679	16	297
Vietnam	125	1 330	513	7 064	548	7 607
Other	953	15 239	618	8 066	345	4 001
Total	8 852	151 488	9 623	153 239	8 409	128 872
Other						
France	0	2	2	52	19	415
Germany	2	21	4	38	12	301
Hong Kong	2	39	22	304	28	208
New Zealand	10	62	7	65	30	197
Singapore	25	523	13	169	19	274
Other	199	3 116	194	2 598	78	822
Total	237	3 762	242	3 225	185	2 216
Total prawns	9 396	160 603	10 302	163 104	8 744	133 923
Crabs						
Fresh, frozen or cooked						
China	119	2 009	159	3 444	109	3 695
Chinese Taipei	582	5 045	728	6 256	850	7 196
Hong Kong, China	212	2 852	122	1 618	138	1 864
Japan	552	5 126	478	4 752	330	3 163
Singapore	19	461	24	504	15	453
United States	52	1 054	39	692	25	451
Other	75	902	81	846	72	995
Total	1 611	17 451	1 632	18 110	1 539	17 817
Other crabs	5	40	6	70	6	78
Total crabs	1 616	17 491	1 638	18 180	1 545	17 895
Other crustaceans						
China	1	26	67	732	10	325
Chinese Taipei	1	54	0	4	21	282
Hong Kong, China	249	8 533	31	1 043	33	1 228
Japan	122	1 800	26	534	21	468
Other	103	2 662	50	1 356	33	1 042
Total	475	13 076	174	3 670	118	3 344
Total crustaceans	24 939	618 003	24 750	624 529	22 345	644 513

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

23 exports of molluscs, by destination – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Abalone						
Fresh, chilled or frozen						
Canada	8	986	12	1 583	10	1 341
China	20	1 532	296	16 033	609	34 493
Chinese Taipei	137	6 088	85	4 096	63	3 153
Hong Kong, China	1 551	87 086	1 229	76 529	1 019	66 780
Japan	377	19 985	394	24 250	404	23 766
Singapore	14	781	8	599	16	971
Other	12	1 024	9	766	12	1 028
Total	2 119	117 482	2 032	123 856	2 133	131 533
Canned						
Chinese Taipei	428	16 366	227	12 806	153	10 553
Hong Kong, China	1 222	53 210	949	70 010	609	46 392
Japan	596	25 309	402	27 462	404	29 876
Singapore	344	16 744	311	22 475	249	18 768
United States	91	3 391	31	2 381	37	3 056
Other	110	5 178	52	4 160	80	5 449
Total	2 791	120 198	1 972	139 294	1 532	114 094
Total abalone	4 910	237 680	4 004	263 150	3 665	245 627
Scallops						
Fresh, chilled or frozen						
China	0	0	0	0	28	769
France	0	0	156	2 704	305	6 462
Hong Kong, China	1 096	26 109	727	21 971	764	21 241
Malaysia	54	1 287	33	949	61	1 563
Singapore	249	5 715	181	5 232	260	7 314
Other	60	1 678	112	1 704	66	1 399
Total	1 460	34 789	1 208	32 560	1 484	38 748
Other scallops	4	126	0	6	0	25
Total scallops	1 464	34 916	1 209	32 566	1 485	38 773
Other molluscs						
Canada	153	525	137	478	74	475
China	156	317	376	645	597	1 151
Chinese Taipei	38	1 500	79	625	22	318
Hong Kong, China	499	8 997	330	6 801	464	8 788
Japan	110	4 837	71	891	78	1 156
Singapore	41	1 452	19	368	17	232
Malaysia	0	2	5	21	55	391
Other	238	1 124	409	1 571	243	1 156
Total	1 235	18 754	1 426	11 399	1 548	13 666
Total molluscs	7 608	291 350	6 639	307 114	6 697	298 066

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

24 exports of fisheries products, by destination – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Edible (excluding live)						
Canada	194	2 515	192	3 083	109	3 333
China	4 735	68 543	6 361	107 462	4 799	102 374
Chinese Taipei	3 019	73 658	2 621	68 051	2 092	55 217
France	638	13 130	1 073	16 476	714	20 904
Greece	861	16 013	578	9 478	433	7 563
Hong Kong, China	11 265	381 414	9 220	358 647	9 314	396 011
Indonesia	626	2 712	512	2 529	410	2 245
Italy	162	1 949	187	2 413	454	8 113
Japan	22 482	489 157	19 274	379 741	17 874	370 509
Malaysia	500	8 167	245	5 748	387	5 928
New Zealand	1 132	8 535	1 540	9 919	2 191	11 664
Portugal	24	413	54	815	416	5 165
Singapore	1 409	38 046	1 285	39 963	1 058	36 283
Spain	1 793	23 795	2 028	26 710	1 434	18 985
Thailand	1 135	4 585	2 606	8 700	2 110	8 466
United Kingdom	253	2 333	211	2 786	137	3 431
United States	4 268	125 706	3 841	127 263	3 117	112 838
Viet Nam	242	2 672	784	10 054	986	9 438
Other	3 780	16 673	4 710	21 235	4 267	18 797
Total	58 518	1 280 017	57 320	1 201 073	52 302	1 197 264
Nonedible						
China	na	1 084	na	374	na	343
Chinese Taipei	na	2 140	na	1 986	na	941
France	na	3 465	na	1 017	na	6 768
Germany	na	6 413	na	5 989	na	2 076
Hong Kong, China	na	170 763	na	136 518	na	149 783
Indonesia	na	772	na	307	na	881
Italy	na	1 893	na	340	na	1 750
Japan	na	37 153	na	59 538	na	62 631
Korea, Rep. of	na	3 041	na	2 030	na	1 395
New Zealand	na	14 557	na	8 427	na	9 903
Singapore	na	2 941	na	5 460	na	2 278
Spain	na	1 603	na	1 855	na	3 851
Thailand	na	1 306	na	618	na	1 517
United Arab Emirates	na	2 797	na	3 298	na	1 721
United Kingdom	na	11 774	na	8 131	na	6 201
United States	na	28 890	na	28 014	na	28 135
Viet Nam	na	747	na	536	na	1 563
Other	na	41 216	na	41 260	na	27 910
Total	na	332 556	na	305 698	na	309 646
Total exports	na	1 612 573	na	1 506 771	na	1 506 910

na Not available.

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

25 exports of seafood to selected countries, by product - Australia ^a

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Hong Kong, China						
Dried, salted or smoked fish	124	17 187	119	17 926	83	12 200
Other fish	603	3 786	671	3 897	284	3 173
Rock lobster	4 778	157 502	4 348	148 562	5 491	228 354
Prawns	929	16 058	695	10 285	429	5 966
Crabs	212	2 852	122	1 618	138	1 864
Abalone	2 773	140 296	2 178	146 539	1 629	113 171
Scallops	1 099	26 202	727	21 976	764	21 265
Other	747	17 531	360	7 844	496	10 016
Total	11 265	381 414	9 220	358 647	9 314	396 011
Japan						
Tuna (whole)	11 990	267 242	9 267	158 176	10 071	169 974
Fillets	219	1 222	194	1 318	155	878
Dried, salted or smoked fish	14	305	1	46	12	260
Other fish	2 200	18 011	2 282	18 900	1 152	11 116
Rock lobster	3 032	77 459	2 530	70 789	2 111	69 802
Prawns	3 252	66 849	3 629	72 624	3 116	59 665
Crabs	552	5 126	478	4 752	330	3 163
Abalone	974	45 295	797	51 712	808	53 642
Scallops	17	1 011	0	0	21	384
Other	232	6 637	97	1 425	98	1 624
Total	22 482	489 157	19 274	379 741	17 874	370 509
Singapore						
Tuna (whole)	0	0	0	3	0	6
Fillets	27	190	69	604	88	664
Dried, salted or smoked fish	11	1 323	6	885	3	287
Canned fish	134	903	86	447	69	348
Other fish	197	1 540	316	1 681	144	998
Rock lobster	309	7 751	218	6 544	164	5 780
Prawns	56	932	40	491	29	314
Crabs	19	461	24	504	15	453
Abalone	357	17 525	319	23 074	265	19 739
Scallops	249	5 715	181	5 232	260	7 314
Other	49	1 707	23	499	20	379
Total	1 409	38 046	1 285	39 963	1 058	36 283

Continued

25 exports of seafood to selected countries, by product - Australia ^a *continued*

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Chinese Taipei						
Fish	260	4 665	185	4 682	120	3 019
Rock lobster	1 369	35 547	1 221	37 645	824	29 851
Prawns	204	4 392	95	1 936	40	828
Crabs	582	5 045	728	6 256	850	7 196
Abalone	565	22 454	312	16 903	216	13 706
Scallops	0	0	0	0	1	17
Other	39	1 554	79	629	43	600
Total	3 019	73 658	2 621	68 051	2 092	55 217
United States						
Fillets	768	8 541	775	11 306	402	6 121
Canned fish	17	249	11	202	94	828
Other fish	1 386	15 455	1 036	10 946	989	10 347
Rock lobster	1 864	93 909	1 853	99 757	1 533	90 800
Prawns	57	1 249	32	765	19	357
Crabs	52	1 054	39	692	25	451
Abalone	99	4 137	36	2 882	43	3 673
Scallops	1	74	1	38	1	19
Other	23	1 038	57	676	13	242
Total	4 268	125 706	3 841	127 263	3 117	112 838
China						
Fish	1 537	5 428	1 908	6 532	957	3 199
Rock lobster	1 695	40 820	1 940	59 276	1 357	45 510
Prawns	1 151	15 777	1 610	20 266	1 124	11 999
Crabs	119	2 009	159	3 444	109	3 695
Other	232	4 510	745	17 944	1 253	37 972
Total	4 735	68 543	6 361	107 462	4 799	102 374
APEC						
Tuna	12 609	272 807	10 395	164 126	10 941	177 176
Salmon	434	3 876	1 457	10 302	1 256	7 771
Other fish	10 296	118 965	10 728	113 626	8 015	95 289
Rock lobster	13 101	414 821	12 169	424 953	11 543	472 068
Prawns	6 369	113 819	6 691	112 789	5 424	85 615
Abalone	4 898	237 210	3 993	262 257	3 644	243 964
Scallops	1 445	34 668	1 018	29 047	1 164	32 064
Oysters	116	1 149	173	1 725	181	1 724
Crabs	1 591	17 102	1 613	17 793	1 519	17 435
Other crustaceans and molluscs	1 376	28 855	1 105	11 852	1 325	14 338
Total	52 235	1 243 272	49 342	1 148 469	45 013	1 147 443

^a Excludes live.

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

26 seafood exports in 2003-04, by state - Australia ^a

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust. ^b
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish								
Live	1 397	685	37 120	0	13	100	0	39 316
Fresh, chilled or frozen								
Whole	10 169	1 531	32 398	13 682	244 286	7 527	613	311 085
Fillets	202	818	971	2 932	2 255	8 446	1	17 007
Other	2 910	7 862	23 758	3 442	844	660	423	42 573
Total fish	14 678	10 896	94 248	20 057	247 398	16 733	1 037	409 980
Crustaceans and molluscs								
Rock lobster	1 942	16 698	25 642	293 158	67 273	21 974	0	426 833
Prawns	17 122	609	80 771	20 592	28 808	1	0	160 603
Abalone	11 180	65 616	998	11 252	53 374	95 217	42	237 680
Scallops	4	1 045	14 432	19 171	44	2	0	34 916
Oysters	40	18	67	3	360	658	0	1 182
Crabs	181	1 338	11 831	3 679	46	364	0	17 491
Other	343	19 048	3 780	2 263	2 553	1 697	37	30 648
Total	30 812	104 373	137 520	350 119	152 458	119 913	79	909 353
Total value	45 490	115 269	231 768	370 176	399 857	136 647	1 116	1 319 333
Quantity	t	t	t	t	t	t	t	t
Fish								
Live	na	na	na	na	na	na	na	na
Fresh, chilled or frozen								
Whole	1 282	286	4 350	2 497	9 825	1 975	67	20 434
Fillets	8	90	250	263	168	1 479	0	2 779
Other	293	993	357	544	48	174	6	2 757
Total fish	1 583	1 368	4 957	3 304	10 041	3 628	73	25 970
Crustaceans and molluscs								
Rock lobster	57	461	623	9 826	1 893	589	0	13 453
Prawns	1 082	53	4 552	1 238	1 576	0	0	9 396
Abalone	262	1 625	30	123	1 032	1 838	0	4 910
Scallops	0	25	550	868	2	0	0	1 464
Oysters	4	1	4	0	43	63	0	119
Crabs	35	37	1 264	266	1	9	0	1 616
Other	35	861	154	108	295	42	1	1 592
Total	1 475	3 063	7 177	12 428	4 842	2 542	1	32 548
Total quantity	3 058	4 431	12 134	15 732	14 883	6 170	74	58 518

^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, Australia*, cat. no. 5465.0, Canberra.

27 seafood exports in 2004-05, by state - Australia ^a

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust. b
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish								
Live	1 151	1 086	32 520	0	121	68	0	34 946
Fresh, chilled or frozen								
Whole	9 247	1 226	30 010	15 407	141 751	11 166	602	209 555
Fillets	242	1 967	1 533	989	2 830	10 331	0	18 612
Other	3 477	3 472	25 641	3 392	829	257	294	41 261
Total fish	14 117	7 751	89 703	19 788	145 531	21 823	896	304 375
Crustaceans and molluscs								
Rock lobster	4 904	21 141	25 977	295 657	68 267	22 873	0	439 575
Prawns	12 095	116	82 563	24 292	27 796	0	228	163 104
Abalone	8 051	93 170	1 425	8 480	59 266	92 757	0	263 150
Scallops	4	2 764	20 482	8 476	61	176	0	32 566
Oysters	67	30	8	19	612	930	0	1 746
Crabs	20	2 013	12 366	3 532	96	80	12	18 180
Other	651	5 410	3 563	1 335	453	544	35	13 324
Total	25 792	124 643	146 383	341 791	156 551	117 361	275	931 644
Total value	39 910	132 395	236 087	361 579	302 083	139 184	1 171	1 236 019
Quantity	t	t	t	t	t	t	t	t
Fish								
Live	na	na	na	na	na	na	na	na
Fresh, chilled or frozen								
Whole	1 373	377	4 679	3 266	8 304	2 270	84	20 406
Fillets	21	129	225	105	267	1 688	0	2 537
Other	421	550	512	622	39	44	31	2 988
Total fish	1 814	1 056	5 416	3 993	8 609	4 003	115	25 931
Crustaceans and molluscs								
Rock lobster	127	574	615	8 879	1 843	581	0	12 636
Prawns	843	10	5 205	1 529	1 469	0	23	10 302
Abalone	163	1 418	12	78	678	1 655	0	4 004
Scallops	0	165	660	304	2	28	0	1 209
Oysters	7	4	0	1	71	85	0	174
Crabs	1	51	1 314	260	2	2	1	1 638
Other	172	623	143	133	91	60	7	1 427
Total	1 313	2 845	7 950	11 183	4 157	2 411	30	31 389
Total quantity	3 127	3 901	13 366	15 176	12 767	6 414	145	57 320

^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, Australia*, cat. no. 5465.0, Canberra.

28 seafood exports in 2005-06, by state - Australia ^a

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust. ^b
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Fish								
Live	782	1 074	37 867	10	208	119	0	40 078
Fresh, chilled or frozen								
Whole	4 538	771	21 541	2 581	165 177	6 056	1 070	208 048
Fillets	1 145	1 441	482	640	1 983	7 787	6	14 637
Other	6 139	864	17 507	2 918	952	579	88	32 000
Total fish	12 604	4 150	77 396	6 148	168 319	14 542	1 164	294 762
Crustaceans and molluscs								
Rock lobster	6 519	27 700	22 172	323 746	77 567	29 064	0	489 351
Prawns	10 952	100	63 215	25 825	24 006	0	1 746	133 923
Abalone	3 684	86 899	1 299	8 870	48 031	96 826	0	245 627
Scallops	4	4 224	13 046	18 557	0	2 526	0	38 773
Oysters	69	95	13	3	528	1 017	0	1 783
Crabs	78	2 308	11 440	3 528	21	373	18	17 895
Other	264	6 780	4 743	876	374	649	153	15 227
Total	21 570	128 107	115 928	381 406	150 528	130 454	1 917	942 579
Total value	34 174	132 257	193 324	387 554	318 847	144 995	3 081	1 237 341
Quantity	t	t	t	t	t	t	t	t
Fish								
Live	na	na	na	na	na	na	na	na
Fresh, chilled or frozen								
Whole	937	154	3 942	286	9 647	897	148	18 534
Fillets	72	106	56	74	268	1 134	0	2 023
Other	722	141	387	795	97	52	2	2 703
Total fish	1 731	401	4 385	1 155	10 012	2 084	151	23 260
Crustaceans and molluscs								
Rock lobster	141	633	492	8 218	1 757	634	0	11 938
Prawns	743	18	4 002	1 774	1 288	0	171	8 744
Abalone	82	1 329	16	94	530	1 607	0	3 665
Scallops	0	204	441	700	0	114	0	1 485
Oysters	8	12	1	0	64	99	0	187
Crabs	3	50	1 247	223	0	8	1	1 545
Other	26	610	424	63	116	37	5	1 479
Total	1 004	2 857	6 624	11 073	3 755	2 499	177	29 042
Total quantity	2 735	3 257	11 009	12 228	13 767	4 582	327	52 302

^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, Australia*, cat. no. 5465.0, Canberra.

29 imports of fisheries products – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Edible						
Fish						
Live fish	na	19	na	5	na	1
Fresh, chilled or frozen						
Fresh or chilled whole	5 925	34 269	5 336	33 934	5 671	36 348
Frozen whole	11 281	20 992	9 245	19 768	7 243	19 172
Fresh or chilled fillets	307	1 898	346	2 543	505	4 537
Frozen fillets	39 323	193 650	38 133	187 017	41 062	196 759
Other	7 639	22 861	6 788	19 041	5 243	15 901
Canned fish	58 804	186 148	53 443	188 745	52 687	228 710
Smoked, dried or salted fish	2 811	30 459	2 957	34 053	3 074	36 191
Other fish preparations	12 474	54 510	14 508	62 181	13 721	64 451
Total a	138 564	544 806	130 756	547 285	129 207	602 070
Crustaceans and molluscs						
Fresh, chilled or frozen b						
Prawns	18 865	183 575	22 608	201 303	23 165	201 351
Lobster	444	7 088	469	8 132	568	10 249
Scallops	2 104	22 027	2 297	27 458	2 421	30 756
Oysters	749	6 797	910	6 975	678	5 808
Mussels	2 188	8 095	2 117	9 139	2 170	8 579
Other	14 745	60 555	14 815	71 705	16 974	79 713
Canned	4 798	28 071	5 188	31 144	6 216	35 981
Extracts and pastes	0	0	0	0	0	0
Other	5 557	43 904	7 173	56 195	7 078	53 957
Total	49 449	360 112	55 576	412 051	59 271	426 393
Total edible a	188 014	904 918	186 332	959 336	188 477	1 028 463
Nonedible						
Pearls	na	145 107	na	145 851	na	159 405
Fish meal	na	19 332	na	20 923	na	22 010
Ornamental fish	na	4 087	na	4 749	na	5 042
Marine fats and oils	na	9 446	na	15 268	na	15 920
Other marine products	na	23 488	na	25 833	na	33 732
Total nonedible	na	201 459	na	212 625	na	236 110
Total fisheries products	na	1 106 377	na	1 171 961	na	1 264 574

a Excludes live tonnage, but includes live value. b Includes dried and salted. na Not available.

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

30 imports of fish – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Salmon						
Smoked	988	16 108	1 158	19 522	1 116	19 691
Whole						
Frozen	144	1 092	135	918	258	687
Fresh or chilled	557	4 443	476	3 834	483	3 712
Canned	9 376	46 587	9 249	44 239	8 882	50 297
Total	11 066	68 230	11 018	68 513	10 739	74 387
Hake						
Frozen						
Fillets	7 541	36 194	7 938	37 152	6 210	27 408
Whole	2	9	5	29	0	0
Mince	734	1 352	1 360	2 769	2 054	3 793
Total	8 277	37 555	9 303	39 950	8 264	31 201
Tuna						
Whole						
Fresh or chilled	1 350	3 621	315	1 103	223	1 398
Frozen	3 088	3 067	18	122	77	155
Canned	42 970	103 062	37 155	106 443	36 217	139 782
Total	47 408	109 750	37 488	107 669	36 518	141 334
Other fish						
Live	na	19	na	5	na	1
Fresh or chilled whole	4 018	26 204	4 545	28 997	4 964	31 238
Frozen whole	8 048	16 824	9 086	18 698	6 909	18 330
Fresh or chilled fillets	307	1 898	346	2 543	505	4 537
Frozen fillets	31 782	157 456	30 195	149 864	34 852	169 351
Other fresh, chilled or frozen products	6 905	21 509	5 428	16 272	3 189	12 109
Other canned fish						
Herrings	761	3 668	772	3 554	1 035	4 520
Sardines	3 495	19 243	4 183	20 339	4 413	20 309
Anchovy	859	9 233	927	10 210	1 046	10 184
Mackerel	1 037	2 911	953	3 004	930	2 976
Other	306	1 445	204	956	163	643
Total	6 458	36 500	7 039	38 062	7 588	38 631
Smoked						
Herrings	66	386	47	296	54	277
Liver and roes	36	165	11	228	8	117
Other	800	4 673	968	5 764	1 101	7 887
Total	902	5 224	1 025	6 288	1 163	8 281
Dried	629	7 664	567	6 835	566	6 766
Salted	292	1 462	208	1 408	229	1 453
Other fish preparations						
Fish meal	12	65	13	64	18	150
Fishballs, fishcake, sausages	1 884	7 163	2 236	8 284	2 637	9 618
Caviar and pastes	94	1 576	105	1 934	107	1 875
Other	10 484	45 706	12 155	51 899	10 959	52 808
Total	12 474	54 510	14 508	62 181	13 721	64 451
Total other fish ^a	71 814	329 271	72 947	331 154	73 685	355 149
Total fish ^a	138 564	544 806	130 756	547 285	129 207	602 070

^a Excludes live tonnage but includes live value. **na** Not available.

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

31 imports of crustaceans and molluscs – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Canned and preserved						
Crabs	321	2 233	343	2 267	498	3 084
Prawns	5 584	44 020	7 247	56 491	7 239	54 961
Smoked molluscs	954	7 052	844	6 184	1 143	6 793
Other molluscs	3 464	18 502	3 883	22 195	4 366	24 833
Extracts and pastes	0	0	0	0	0	0
Other preserved	32	167	43	201	48	268
Total	10 355	71 975	12 360	87 339	13 294	89 938
Other						
Prawns						
Fresh, chilled or frozen	18 860	183 537	22 590	201 187	23 111	200 925
Other	5	38	18	116	54	425
Lobster	444	7 088	469	8 132	568	10 249
Scallops	2 104	22 027	2 297	27 458	2 421	30 756
Oysters	749	6 797	910	6 975	678	5 808
Mussels	2 188	8 095	2 117	9 139	2 170	8 579
Crabs	223	1 632	343	3 216	461	4 271
Calamari, squid and octopus	13 248	48 456	13 516	58 510	15 199	63 204
Other	1 275	10 468	956	9 979	1 314	12 238
Total	39 095	288 137	43 216	324 712	45 976	336 455
Total crustaceans and molluscs	49 449	360 112	55 576	412 051	59 271	426 393

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

32 imports of edible fish, by source – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Fish (excluding canned)						
Tuna						
Indonesia	2	23	8	70	22	195
Fiji	33	168	137	671	137	887
Japan	62	140	0	1	0	4
Maldives	0	0	0	0	48	50
New Zealand	3 889	3 694	99	132	21	198
Papua New Guinea	86	346	79	298	45	142
Thailand	50	83	0	0	17	15
Other	316	2 234	10	53	11	63
Total	4 438	6 689	333	1 225	300	1 553
Salmon						
Denmark	829	13 779	860	15 612	763	14 240
New Zealand	548	4 857	447	3 971	544	4 726
Norway	240	2 354	282	3 198	310	4 478
Other	73	655	180	1 492	241	646
Total	1 689	21 644	1 769	24 274	1 857	24 089
Hake						
Argentina	413	1 205	2 084	6 325	3 143	8 744
Chile	1 184	2 600	552	1 146	437	767
China	96	305	100	373	227	712
Chinese Taipei	20	75	18	61	33	192
Namibia	1 201	6 132	1 818	8 332	1 812	7 829
New Zealand	1 131	6 170	1 035	5 833	607	3 044
South Africa	3 916	19 912	3 004	15 115	1 757	9 200
Uruguay	10	39	47	121	80	231
Other	306	1 118	644	2 644	169	481
Total	8 277	37 555	9 303	39 950	8 264	31 201
Other						
China	3 106	12 447	3 412	12 873	3 647	14 528
Chinese Taipei	1 890	9 468	2 493	13 086	3 013	15 364
New Zealand	22 349	113 119	20 079	103 352	19 282	105 630
South Africa	2 461	13 700	3 441	16 134	3 029	19 638
Thailand	7 698	27 459	8 432	28 556	9 616	36 236
Viet Nam	6 487	28 888	9 381	40 639	12 486	47 017
Other	23 364	95 222	19 414	81 200	18 490	90 488
Total	67 354	300 303	66 653	295 841	69 563	328 902

Continued

32 imports of edible fish, by source – Australia *continued*

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Canned fish						
Canada	3 833	19 911	3 784	19 135	4 206	23 280
Chile	447	1 447	440	1 630	558	2 707
China	110	326	257	743	471	1 130
Denmark	162	729	107	721	275	1 418
Germany	380	2 135	364	2 150	494	2 945
Greece	102	744	123	971	91	681
Indonesia	111	368	128	379	268	837
Italy	689	6 423	559	5 439	705	5 502
Japan	475	1 712	131	540	462	1 732
Korea, Rep. of	691	2 734	390	1 557	300	1 393
Malaysia	139	430	126	444	190	640
Morocco	189	2 112	311	3 449	300	3 237
Norway	461	6 487	255	3 568	288	3 992
Philippines	158	406	427	1 150	189	497
Poland	50	484	275	2 777	484	3 300
Portugal	172	883	426	1 255	288	1 510
Spain	101	1 518	69	1 482	82	1 412
Thailand	44 266	108 463	38 872	111 617	36 952	143 119
United Kingdom	342	3 262	502	4 656	415	3 459
United States	5 055	22 146	5 037	21 322	4 687	21 577
Viet Nam	106	672	209	1 071	179	1 011
Other	764	2 758	653	2 690	802	3 332
Total	58 804	186 148	53 443	188 745	52 687	228 710

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

33 imports of fresh, chilled or frozen fish, by source – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Fresh or chilled fish						
Whole						
Fiji	39	232	149	781	141	892
Indonesia	0	1	35	149	61	332
New Zealand	5 347	30 322	4 945	31 742	5 398	34 854
Papua New Guinea	86	347	79	298	46	143
Viet Nam	17	71	3	15	12	87
Other	436	3 296	125	948	12	39
Total	5 925	34 269	5 336	33 934	5 671	36 348
Filletts						
Indonesia	18	192	119	1 060	284	2 617
New Zealand	198	1 308	151	1 096	192	1 784
Papua New Guinea	26	99	7	41	5	50
South Africa	17	90	27	145	0	0
Other	47	210	41	201	25	87
Total	307	1 898	346	2 543	505	4 537
Frozen fish						
Whole						
Tuna						
Indonesia	2	23	8	70	1	11
Japan	62	140	0	1	0	4
Maldives	0	0	0	0	48	50
New Zealand	2 956	2 746	0	0	0	0
Thailand	50	83	0	0	17	15
Other	17	75	10	51	11	75
Total	3 088	3 067	18	122	77	155
Salmon						
Canada	0	0	24	47	223	419
New Zealand	28	180	26	145	18	33
Norway	72	502	20	116	16	231
United Kingdom	43	393	64	595	0	0
Other	2	17	1	14	0	5
Total	144	1 092	135	918	258	687
Other						
China	464	2 144	429	2 069	509	2 431
Chinese Taipei	565	1 336	530	1 466	796	2 027
India	233	550	90	235	183	426
Indonesia	888	889	423	639	560	1 008
Japan	18	71	15	64	16	174
Myanmar	331	1 312	366	1 195	318	1 096
New Zealand	2 133	5 885	2 028	6 036	1 712	6 205
Thailand	477	1 047	553	1 204	553	1 249
United States	1 333	440	2 538	2 143	1 405	518
Viet Nam	327	1 001	503	1 702	392	1 282
Other	1 281	2 159	1 617	1 975	464	1 914
Total	8 049	16 833	9 091	18 727	6 909	18 330

Continued

33 imports of fresh, chilled or frozen fish, by source – Australia continued

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Frozen fish (continued)						
Fillets						
Hake						
Argentina	363	1 089	1 337	4 634	1 880	6 466
Chile	703	1 812	230	561	34	103
China	31	116	100	370	171	598
Namibia	1 201	6 132	1 818	8 332	1 812	7 829
New Zealand	993	5 906	742	5 328	347	2 474
South Africa	3 916	19 912	3 004	15 115	1 757	9 200
Uruguay	10	39	47	121	80	231
Viet Nam	245	921	561	2 289	32	104
Other	81	268	100	403	98	402
Total	7 541	36 194	7 938	37 152	6 210	27 408
Other						
Argentina	1 818	5 873	1 607	4 557	1 879	5 830
Chile	1 177	3 113	962	2 769	801	2 249
China	1 388	5 357	1 590	5 128	2 020	7 121
Chinese Taipei	1 259	7 664	1 852	10 820	2 010	12 261
Indonesia	788	4 711	684	4 316	570	4 006
Kenya	2 724	12 125	2 077	8 977	2 046	11 024
Malaysia	50	243	51	100	81	397
Myanmar	1 044	6 705	1 130	7 337	925	6 172
New Zealand	9 628	53 803	7 551	44 594	8 089	46 794
Norway	54	549	106	1 319	424	4 945
Singapore	240	1 073	155	909	55	371
South Africa	1 211	7 459	958	5 723	868	5 336
Tanzania	375	1 511	335	1 425	683	3 526
Thailand	1 066	6 319	1 136	7 177	1 467	9 334
Uganda	1 691	7 337	803	3 488	621	3 387
United Kingdom	92	363	117	548	71	310
United States	221	1 176	255	1 228	402	1 441
Uruguay	306	773	122	367	210	519
Viet Nam	5 679	26 127	8 154	35 869	11 182	42 308
Virgin Islands	476	2 167	0	0	72	379
Other	494	3 010	552	3 211	373	1 643
Total	31 782	157 456	30 195	149 864	34 852	169 351

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

34 imports of dried, salted or smoked fish, by source – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Dried or salted						
China	63	707	70	639	49	600
Hong Kong	33	997	29	986	23	944
Iceland	50	531	49	370	56	438
Korea, Rep. of	43	373	61	485	42	417
Malaysia	42	405	57	439	39	361
Norway	137	1 818	138	1 769	172	1 985
Philippines	24	109	28	129	19	73
Portugal	10	133	11	109	13	227
Thailand	58	403	62	499	29	194
Viet Nam	80	572	102	651	87	483
Other	378	3 203	315	3 050	246	2 521
Total	917	9 251	921	9 126	775	8 243
Smoked						
Argentina	98	368	28	79	15	47
China	0	0	0	0	0	11
Denmark	559	9 750	881	14 698	926	16 725
Japan	2	60	35	133	9	189
Korea, Rep. of	1	23	1	26	2	28
New Zealand	50	790	85	1 286	55	939
Norway	9	136	110	1 363	260	3 107
Philippines	31	177	33	168	31	140
South Africa	999	4 646	618	2 978	821	4 132
United Kingdom	74	557	55	336	52	364
Other	61	504	45	266	12	128
Total	1 884	17 012	1 890	21 333	2 183	25 810
Total dried, salted or smoked fish	2 801	26 263	2 811	30 459	2 957	34 053

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

35 imports of canned fish products, by source – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Canned fish						
Salmon						
Canada	2 691	14 400	2 662	14 316	2 760	17 658
Chile	151	1 072	186	1 314	318	2 335
Thailand	862	6 061	934	4 456	637	4 503
United States	5 030	22 021	4 994	21 153	4 572	21 052
Other	643	3 034	473	3 000	595	4 749
Total	9 376	46 587	9 249	44 239	8 882	50 297
Tuna						
Indonesia	98	356	127	372	268	837
Japan	388	1 354	72	263	369	1 385
Thailand	41 947	98 855	36 324	103 272	34 644	134 162
Other	536	2 497	633	2 536	937	3 398
Total	42 970	103 062	37 155	106 443	36 217	139 782
Herrings						
Canada	151	750	146	776	167	852
Denmark	7	27	25	137	150	522
Germany	356	1 872	325	1 710	424	2 143
Other	247	1 018	276	931	294	1 002
Total	761	3 668	772	3 554	1 035	4 520
Sardines						
Canada	884	4 222	975	4 043	1 279	4 770
Norway	400	5 817	168	2 409	110	1 661
Thailand	1 266	3 106	1 345	3 268	1 366	3 678
United Kingdom	330	3 192	486	4 610	413	3 445
Other	615	2 906	1 209	6 008	1 244	6 755
Total	3 495	19 243	4 183	20 339	4 413	20 309
Anchovies						
Italy	490	4 986	390	4 082	511	4 341
Morocco	188	2 111	311	3 449	269	3 129
Spain	47	1 104	53	1 344	56	1 247
Other	133	1 031	174	1 335	210	1 466
Total	859	9 233	927	10 210	1 046	10 184
Mackerel						
Chile	294	371	253	312	216	342
Denmark	152	662	82	584	113	687
Japan	86	343	55	242	85	323
Malaysia	69	191	66	185	86	238
New Zealand	25	56	21	75	0	0
Thailand	175	335	247	502	277	642
Other	235	952	228	1 103	153	743
Total	1 037	2 911	953	3 004	930	2 976
Other						
Canada	108	539	0	0	0	0
Chinese Taipei	7	55	7	62	7	66
Peru	0	0	0	0	16	80
Sweden	33	181	13	72	13	78
Other	159	670	184	823	127	419
Total	306	1 445	204	956	163	643
Total canned fish	58 804	186 148	53 443	188 745	52 687	228 710

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

36 imports of crustaceans and molluscs, by source – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Crustaceans						
Lobster						
Fresh, chilled or frozen						
Cuba	0	0	31	576	64	1 273
Indonesia	91	966	130	1 653	94	804
Japan	0	6	0	1	14	305
Malaysia	41	437	14	134	17	185
Papua New Guinea	89	2 151	79	2 816	79	2 590
Thailand	151	2 043	118	1 514	215	3 197
Other	73	1 485	98	1 438	85	1 895
Total lobster	444	7 088	469	8 132	568	10 249
Prawns						
Fresh, chilled or frozen						
China	3 894	28 476	4 034	26 497	4 465	29 417
Chinese Taipei	102	1 297	92	1 054	283	2 884
India	2 920	34 872	3 096	32 149	2 459	25 451
Indonesia	1 617	13 423	1 669	10 820	1 094	8 508
Malaysia	190	1 783	183	1 826	159	1 761
Myanmar	564	4 867	528	4 599	572	4 816
New Caledonia	104	1 571	189	2 370	100	1 256
Saudi Arabia	27	214	230	1 822	405	3 143
Singapore	211	2 083	101	1 063	157	1 474
Thailand	4 911	44 250	5 741	45 556	6 106	45 968
Viet Nam	3 898	47 333	6 260	69 650	6 855	72 307
Other	422	3 368	466	3 780	457	3 940
Total	18 860	183 537	22 590	201 187	23 111	200 925
Canned						
Malaysia	1 089	8 072	1 244	8 215	809	5 216
Thailand	3 328	27 035	4 035	34 433	3 706	30 858
Viet Nam	319	2 726	437	3 854	591	5 072
Other	848	6 187	1 530	9 989	2 133	13 815
Total	5 584	44 020	7 247	56 491	7 239	54 961
Other						
China	0	4	16	92	33	210
Malaysia	2	12	0	1	2	9
Thailand	1	12	0	0	17	200
Viet Nam	0	6	0	0	1	2
Other	1	4	2	24	1	4
Total	5	38	18	116	54	425
Total prawns	24 448	227 595	29 855	257 794	30 404	256 311
Crabs						
Fresh, chilled or frozen						
Indonesia	12	94	60	714	88	1 396
Malaysia	15	130	49	359	48	353
Thailand	62	294	67	772	147	963
Viet Nam	94	798	110	966	96	744
Other	41	315	58	404	81	815
Total	223	1 632	343	3 216	461	4 271
Canned						
Thailand	241	1 474	225	1 354	341	1 732
Other	79	759	118	914	157	1 352
Total	321	2 233	343	2 267	498	3 084
Total crabs	543	3 864	687	5 483	960	7 355

Continued

36 imports of crustaceans and molluscs, by source – Australia *continued*

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Molluscs (fresh, chilled or frozen)						
Scallops						
Chile	23	224	32	257	79	864
China	928	8 823	1 398	15 250	1 355	16 201
Hong Kong	3	121	14	248	6	264
Japan	664	7 557	391	6 027	523	7 780
Thailand	408	4 547	310	3 490	257	2 860
United States	18	264	102	1 717	72	1 406
Viet Nam	7	49	20	144	43	401
Other	53	441	29	324	87	980
Total	2 104	22 027	2 297	27 458	2 421	30 756
Mussels						
China	21	123	117	471	21	182
New Zealand	2 137	7 892	1 925	7 710	2 043	7 880
United States	0	0	44	854	13	217
Other	30	80	31	104	93	300
Total	2 188	8 095	2 117	9 139	2 170	8 579
Calamari, squid and octopus						
China	3 157	11 676	4 903	23 621	4 725	20 757
Chinese Taipei	2 357	8 804	1 608	8 308	1 075	5 295
Hong Kong, China	9	184	2	51	64	532
India	185	435	176	547	183	617
Indonesia	138	488	194	795	286	1 399
Korea, Rep. of	159	489	143	810	118	620
Malaysia	665	1 991	654	2 041	631	2 594
Myanmar	57	112	157	471	133	382
New Zealand	2 915	12 997	2 337	11 272	3 983	16 674
Singapore	36	134	53	154	132	424
Thailand	1 874	6 872	1 637	6 144	1 684	7 649
United States	380	850	214	462	237	390
Uruguay	0	0	0	0	127	199
Viet Nam	1 148	2 814	1 098	2 803	1 639	5 138
Other	167	607	339	1 033	181	534
Total	13 248	48 456	13 516	58 510	15 199	63 204
Crustaceans and molluscs (canned)						
China	674	3 834	739	4 388	1 299	7 110
Korea, Rep. of	378	3 564	286	2 549	97	832
Malaysia	773	4 440	930	5 834	1 012	6 180
New Zealand	1 689	9 155	1 655	9 677	1 894	11 390
Singapore	100	695	86	649	98	728
Thailand	955	4 449	1 190	5 603	1 474	7 338
Viet Nam	39	354	41	244	94	548
Other	191	1 579	261	2 200	246	1 856
Total	4 798	28 071	5 188	31 144	6 216	35 981

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

37 imports of fisheries products, by source – Australia

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Edible (excluding live)						
Argentina	2 430	7 713	3 904	11 499	5 444	17 513
Canada	3 885	20 171	4 118	20 457	4 663	24 919
Chile	5 471	15 050	3 590	10 910	2 428	8 493
China	12 442	68 756	15 883	89 946	17 898	101 105
Chinese Taipei	4 407	19 928	4 337	23 143	4 449	24 218
Denmark	1 098	15 947	1 058	17 750	1 214	18 679
Germany	425	2 663	392	2 570	521	3 122
India	3 831	37 605	3 566	33 935	3 112	28 098
Indonesia	4 271	25 279	4 289	26 165	3 984	25 845
Italy	725	6 700	580	5 676	765	5 958
Japan	1 821	14 910	1 088	11 708	1 412	13 718
Kenya	2 725	12 126	2 077	8 977	2 046	11 024
Korea, Rep. of	1 678	8 814	1 210	6 886	932	4 878
Malaysia	4 903	25 777	5 025	26 757	4 651	26 209
Myanmar	2 049	13 140	2 226	13 763	2 022	12 885
Namibia	1 307	6 650	2 024	9 418	1 842	7 987
Norway	994	12 263	889	10 589	1 217	15 709
New Zealand	35 472	168 327	28 541	153 478	29 121	159 773
Singapore	1 342	7 338	1 111	6 039	1 218	6 331
South Africa	6 404	33 691	6 517	31 507	4 787	28 847
Thailand	62 808	221 649	60 159	236 641	58 006	270 413
United Kingdom	611	4 983	853	7 167	560	4 231
United States	7 327	26 059	8 623	29 293	7 205	27 283
Viet Nam	12 391	84 859	18 171	121 974	22 100	132 869
Other	7 199	44 503	6 101	43 084	6 881	48 357
Total	188 014	904 899	186 332	959 331	188 477	1 028 462
Nonedible						
Chile	na	574	na	81	na	1 273
Chinese Taipei	na	2 277	na	927	na	2 170
French Polynesia	na	2 858	na	1 839	na	2 339
Hong Kong, China	na	5 193	na	5 462	na	4 613
Indonesia	na	6 204	na	11 433	na	11 793
Japan	na	2 510	na	3 307	na	4 626
Malaysia	na	1 279	na	679	na	1 018
Netherlands	na	2 741	na	4 344	na	4 820
New Zealand	na	11 795	na	10 893	na	9 603
Peru	na	16 198	na	19 460	na	15 835
Philippines	na	4 921	na	2 733	na	4 741
Samoa	na	2 862	na	3 313	na	2 583
Singapore	na	1 616	na	1 609	na	1 681
Thailand	na	833	na	1 317	na	1 808
United States	na	8 267	na	10 029	na	18 719
Other	na	131 330	na	135 199	na	148 488
Total	na	201 459	na	212 625	na	236 110
Total imports	na	1 106 358	na	1 171 956	na	1 264 572

na Not available.

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

38 seafood imports from selected countries, by product – Australia a

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
China						
Frozen whole fish	465	2 147	429	2 069	516	2 446
Canned fish	110	326	257	743	471	1 130
Smoked, dried or salted fish	70	639	49	611	75	767
Other fish	949	3 735	964	3 668	672	2 978
Prawns	3 894	28 480	4 050	26 589	4 498	29 627
Scallops	928	8 823	1 398	15 250	1 355	16 201
Oysters	4	105	8	72	1	17
Mussels	21	123	117	471	21	182
Canned crustaceans and molluscs	674	3 834	739	4 388	1 299	7 110
Other crustaceans and molluscs	3 361	12 514	5 052	24 201	5 045	22 059
Other	1 965	8 029	2 820	11 885	3 944	18 588
Total	12 442	68 756	15 883	89 946	17 898	101 105
Vietnam						
Frozen whole fish	328	1 012	506	1 716	392	1 282
Canned fish	106	672	209	1 071	179	1 011
Smoked, dried or salted fish	102	651	87	483	83	498
Other fish	194	593	226	1 012	439	1 550
Prawns	3 898	47 339	6 260	69 650	6 856	72 310
Scallops	7	49	20	144	43	401
Oysters	0	0	0	0	0	0
Mussels	1	5	1	4	1	7
Canned crustaceans and molluscs	39	354	41	244	94	548
Other crustaceans and molluscs	1 290	3 808	1 263	3 969	1 815	6 192
Other	6 428	30 376	9 559	43 682	12 200	49 072
Total	12 391	84 859	18 171	121 974	22 100	132 869
New Zealand						
Fresh and chilled whole fish	5 347	30 322	4 945	31 742	5 398	34 854
Frozen whole fish	5 117	8 812	2 053	6 181	1 730	6 238
Fresh and chilled fillets	198	1 308	151	1 096	192	1 784
Frozen fillets	10 621	59 709	8 293	49 922	8 437	49 268
Canned fish	32	97	25	101	1	6
Smoked, dried or salted fish	86	1 429	55	978	53	1 161
Other fish	3 583	17 690	3 598	17 345	3 229	15 945
Lobster	6	199	1	32	0	1
Scallops	1	20	1	7	1	5
Squid	2 915	12 997	2 337	11 272	3 983	16 674
Oysters	674	5 981	872	6 631	673	5 710
Mussels	2 137	7 892	1 925	7 710	2 043	7 880
Canned crustaceans and molluscs	1 689	9 155	1 655	9 677	1 894	11 390
Other crustaceans and molluscs	100	4 097	63	4 754	72	4 503
Extracts and pastes	0	0	0	0	0	0
Other	2 967	8 618	2 565	6 029	1 416	4 354
Total	35 472	168 327	28 541	153 478	29 121	159 773

Continued

38 seafood imports from selected countries, by product - Australia ^a *continued*

	2003-04		2004-05		2005-06	
	t	\$'000	t	\$'000	t	\$'000
Thailand						
Frozen whole fish	527	1 130	553	1 204	570	1 264
Filletts	19	68	4	17	0	0
Canned fish	44 266	108 463	38 872	111 617	36 952	143 119
Smoked, dried or salted fish	62	501	29	196	21	178
Other fish	3 746	11 957	5 462	15 814	4 524	14 352
Prawns	4 913	44 262	5 741	45 556	6 123	46 169
Lobster	151	2 043	118	1 514	215	3 197
Scallops	408	4 547	310	3 490	257	2 860
Mussels	16	30	18	36	30	86
Canned crustaceans and molluscs	955	4 449	1 190	5 603	1 474	7 338
Other crustaceans and molluscs	2 667	9 827	2 169	8 696	2 303	11 317
Extracts and pastes	0	0	0	0	0	0
Other	5 077	34 371	5 694	42 898	5 536	40 534
Total	62 808	221 649	60 159	236 641	58 006	270 413
United States						
Frozen whole fish	1 333	440	2 538	2 143	1 405	518
Frozen filletts	253	1 256	255	1 228	402	1 441
Canned fish	5 055	22 146	5 037	21 322	4 687	21 577
Smoked, dried or salted fish	12	48	0	0	15	43
Other fish	66	454	59	438	97	667
Scallops	18	264	102	1 717	72	1 406
Canned crustaceans and molluscs	0	0	0	0	0	0
Other crustaceans and molluscs	389	992	215	486	247	568
Other	200	459	418	1 960	280	1 063
Total	7 327	26 059	8 623	29 293	7 205	27 283
APEC region						
Fresh and chilled whole fish	5 440	30 686	5 083	32 259	5 514	35 342
Frozen whole fish	9 770	16 134	7 181	14 719	6 088	15 144
Fresh and chilled filletts	258	1 613	280	2 208	501	4 509
Frozen filletts	15 900	87 526	14 453	81 707	15 533	86 037
Canned fish	54 904	156 758	49 206	157 103	47 897	194 908
Smoked, dried or salted fish	573	6 368	412	5 267	525	6 252
Other fish	10 998	47 837	12 954	52 846	11 445	49 196
Prawns	2	9	3	16	0	0
Lobster	409	6 676	372	6 880	452	8 451
Scallops	2 037	21 438	2 226	26 805	2 238	28 832
Oysters	749	6 797	910	6 975	678	5 808
Mussels	2 175	8 051	2 107	9 084	2 112	8 390
Canned crustaceans and molluscs	4 701	27 107	5 088	30 310	6 023	34 769
Other crustaceans and molluscs	13 000	54 576	12 771	64 189	14 332	69 407
Extracts and pastes	0	0	0	0	0	0
Other	20 761	146 808	22 744	152 315	21 629	151 037
Total	141 677	618 383	135 789	642 686	134 966	698 082

^a Excludes live imports.

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.