Australian fisheries statistics

2008

July 2009

abare.gov.au

ISSN 1037-6879

ABARE 2009, *Australian fisheries statistics 2008*, Canberra, July.

Australian Bureau of Agricultural and Resource Economics
Postal address GPO Box 1563 Canberra ACT 2601 Australia
Location 7B London Circuit Canberra ACT 2601
Switchboard +61 2 6272 2000
Facsimile +61 2 6272 2001

ABARE is a professionally independent government economic research agency.

ABARE project 3298

Fisheries Research and Development Corporation
PO Box 222 Deakin West ACT 2000
Telephone +61 2 6285 0400 Facsimile +61 0 6285 4421
Internet www.frdc.com.au

Acknowledgments

Thuy Pham and Alistair Peat prepared this report. 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 supplies 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.

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 such as determining 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. It also provides data on the volume and value of Australian fisheries trade by destination, source and product, for the three years to 2007-08. A profile of Commonwealth and state fisheries and state aquaculture for 2008, covering selected species, fishing method and number of licence holders is also covered.

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 and is updated each quarter. Detailed analysis of the economic performance of selected fisheries is provided in the annual *Australian fisheries survey report*. An assessment of the economic performance of all fisheries managed by the Australian Fisheries Management Authority is provided in the joint ABARE and Bureau of Rural Sciences publication, *Fishery status reports*.

Phillip Glyde
Executive Director
July 2009

Enquiries

Enquiries regarding Commonwealth and state information should be directed to the respective coordinators of fisheries statistics shown below.

New South Wales

Laurie Derwent (Wild Sector)
NSW Fisheries
Ph: 02 9527 8568
Fax: 02 9527 8409

Janine Sakker (Aquaculture)
NSW Fisheries
Ph: (02) 4916 3847
Fax: (02) 4982 1107

Victoria

Mark Taylor
Victorian Department of Primary Industries
Ph: (03) 5561 9964

Queensland

Lew Williams (Wild Sector)
Queensland Department of Primary Industries and Fisheries
Ph: (07) 3224 2237
Fax: (07) 3224 2805

Ross Lobegeiger (Aquaculture)
Bribie Island Aquaculture Research Centre
Ph: (07) 3400 2040
Fax: (07) 3408 3535

Western Australia

Mark Cliff
Western Australian Department of Fisheries
Ph: (08) 9246 8444
Fax: (08) 9447 3062

South Australia

Angelo Tsolos (Wild Sector)
South Australian Research and Development Institute (SARDI)
Ph: (08) 8207 5414
Fax: (08) 8207 5415

Primary Industries Resources South Australia (PIRSA)(Aquaculture)
Ph: (08) 8226 0314

Tasmania
Denise Garcia
Marine Resources Division
Department of Primary Industries, Water and Environment
Ph: (03) 6233 6462
Fax: (03) 6233 3198

Northern Territory
Steve Wilmore
Department of Primary Industry, Fisheries and Mines (DPIFM)
Ph: (08) 8999 2370
Fax: (08) 8999 2065

Commonwealth
Thim Skousen
Australian Fisheries Management Authority (AFMA)
Ph: (02) 6225 5653 and (02) 6225 5417
Fax: (02) 6225 5441

Definitions and explanations

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

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

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. The value excludes insurance and freight costs in delivering the commodity to Australia from the port of origin but may include inland freight and insurance costs incurred in delivering the commodity to the port of origin.

Production quantity is a measure of the quantity of fish product landed by fishery, which is 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 non-edible fisheries products.

Real terms/real prices are historical or future prices adjusted to reflect changes to the purchasing power of money (most commonly measured by the consumer price index). Such prices may also be expressed as being in real terms.

'Real' 2007-08 dollars or 'real terms' refer to the conversion of nominal dollar values to take account of inflation. Comparison from year-to-year is expressed in nominal terms unless stated otherwise.

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

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

Southern bluefin tuna
Southern bluefin tuna (SBT) sold from aquaculture ranches in South Australia is reported at its market value. However, the input value of tuna caught in the Commonwealth SBT fishery and grown out in aquaculture ranches is also included as a production output from the Commonwealth's southern bluefin tuna fishery. To avoid double counting, the input value is netted out of Australian totals.

Abbreviations and symbols

kg	kilogram
t	tonne
kt	kilotonne
$	dollar (Australian)
$'000	thousand dollars (Australian)
$m	million dollars (Australian)
$b	billion dollars (Australian)
fob	free on board
AFZ	Australian Fishing Zone
na	not available
nei	not elsewhere included
w	wildcatch
a	aquaculture

Contents

Exports

Imports

Production

Fast facts

In 2007-08

- the total volume of Australian fisheries production fell by 3 per cent (7800 tonnes) to 236 000 tonnes;
- the gross value of production decreased by 1 per cent ($24 million) to $2.19 billion;
- of all the Commonwealth managed fisheries, the northern prawn fishery was the most valuable fishery in value terms, contributing $74 million of the gross value of production, followed by the Commonwealth trawl sector ($46 million) of the southern and eastern scalefish and shark fishery and the southern bluefin tuna fishery ($45 million);
- Tasmania accounted for the largest share of gross value of production (22 per cent), followed by South Australia (21 per cent) and Western Australia (20 per cent).
- the gross value of aquaculture production increased by 8 per cent ($62.7 million), to $868 million, and accounted for 40 per cent of the gross value of Australian fisheries production (includes SBT wildcatch input to the South Australian tuna ranching sector). The volume of aquaculture production was 62 500 tonnes, accounting for 26 per cent of total Australian fisheries production, and;
- the gross value of production for the wildcatch sector decreased by 6 per cent ($82.6 million) to $1.3 billion, and accounted for 62 per cent of the gross value of Australian fisheries production. The volume of production was 178 400 tonnes, accounting for 76 per cent of the total Australian fisheries production.

Top five by volume
(wildcatch and aquaculture – tables 2 and 17)

Australian sardines	33 600 tonnes
Salmonids	25 500 tonnes
Prawns	22 400 tonnes
Tuna	14 700 tonnes
Rock lobster	13 800 tonnes

Top five by value
(wildcatch and aquaculture – tables 2 and 17)

Rock lobster	$407 million
Salmonids	$299 million
Prawns	$268 million
Tuna	$210 million
Abalone	$189 million

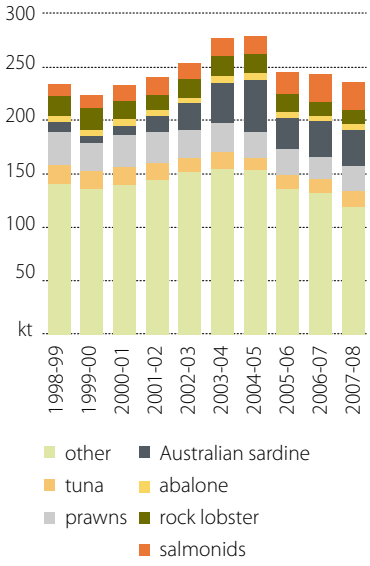
Since 1998-99

- the total volume of fisheries production has increased by 2900 tonnes (1 per cent), while the real gross value of production has fallen by $0.6 billion (22 per cent);
- the increase in production volume is the result of growth in the production of Australian sardines;
- the driving factor behind the fall in production value has been the decline in the value of rock lobster, prawns, abalone and tuna. The combined value of these four species has fallen by $0.6 billion (in real terms) over this period, and;
- farmed salmonids from Tasmania have emerged as a key production species in terms of value, surpassing tuna as Australia's most valuable finfish species group.

Production by species

The gross volume and value of Australian fisheries production, by species, is presented in tables 3-5. Production and value summaries are also presented in table 2 (wildcatch sector), tables 7–14 (individual jurisdictions) and tables 15–17 (aquaculture sector).

a Volume of Australian fisheries production

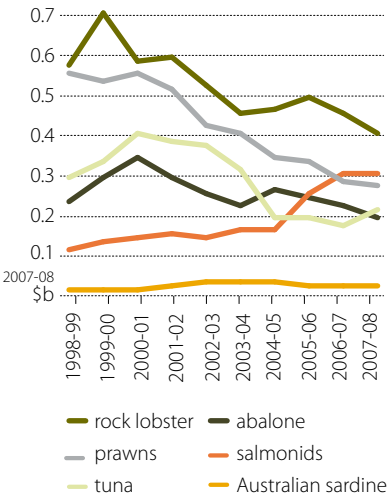


The volume of Australian fisheries production over the past decade has remained relatively stable, particularly for key species such as rock lobster and abalone (figure a). In 2007-08, the total volume of Australian fisheries production was 236 000 tonnes, approximately the same level as in 1998-99. Although production was relatively high during 2003-04 and 2004-05, averaging 278 000 tonnes over this period, Australian fisheries production volume averaged around 246 000 tonnes during the past decade.

In recent years, sardines (pilchards) have emerged as one of the major production species in Australian fisheries in volume terms. Sardines are used for feed in tuna ranching enterprises and are also being supplied to the recreational bait and pet food markets. Following the development of tuna ranching in the Port Lincoln region of South Australia, there has been an increase in demand for sardines. The production of the Australian sardine fishery rose by more than 700 per cent between 1999-2000 and 2004-05, from 5600 tonnes to 49 000 tonnes. In 2007-08, sardine production was about 33 600 tonnes, and accounted for 14 per cent of the Australian total volume of fisheries production. As a low-valued species, changes in prices and the gross value of production of sardines have negligible effects on Australian gross value of fisheries production.

Farmed salmonids, comprising salmon and trout species, have also emerged as a key production species group in recent years, accounting for 11 per cent of total fisheries production in 2007-08. The increase in production of farmed salmonids, combined with higher unit prices, has resulted in a significant increase in this group's value of production, which

b Real value of Australian fisheries production, by key species



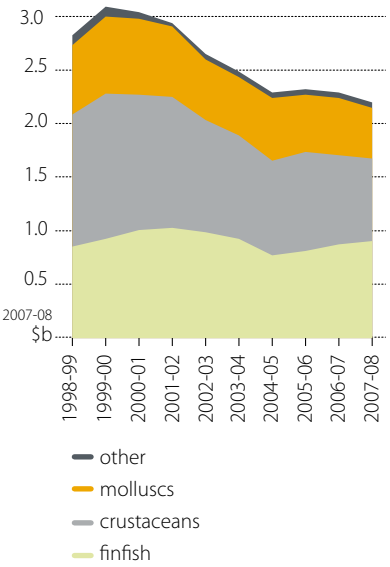
increased by 175 per cent ($191 million) to $300 million over the period 1998-99 to 2006-07 in real terms. In 2007-08, although the production volume remained stable, the value of salmonids production increased by 3 per cent as a result of an increase in the unit price of farmed salmonids (figure b).

However, the increase in the production value of salmonids has not been sufficient to offset the decline in the gross value of production of other key species. Over the period 1998-99 to 2007-08 the gross value of Australian fisheries production fell by 22 per cent ($607 million) in real terms (figure c).

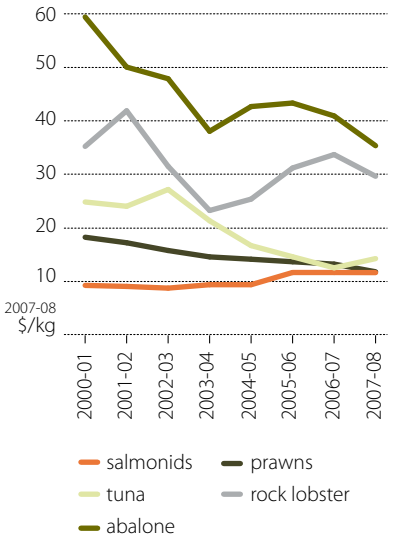
Driving this decline are reductions in the value of other key species, particularly rock lobster, prawns, abalone and tuna. The combined value of these four species, which typically account for at least half of Australia's gross value of fisheries production, has fallen by 53 per cent ($571 million) in real terms since 1998-99 (figure b). This is largely the result of falling unit prices (figure d). Since the production of these species is export oriented, prices are strongly influenced by exchange rate movements. The strength of the Australian dollar against the currencies of major trading partners, particularly the US dollar and the Japanese yen, has reduced the competitiveness of Australian fisheries exports in recent years (box 1).

In 2007-08, rock lobster remained Australia's highest valued production species, valued at $407 million, followed by salmonids ($299 million), prawns ($268 million), tuna ($210 million) and

c Real gross value of Australian fisheries production



d Real unit prices for key species

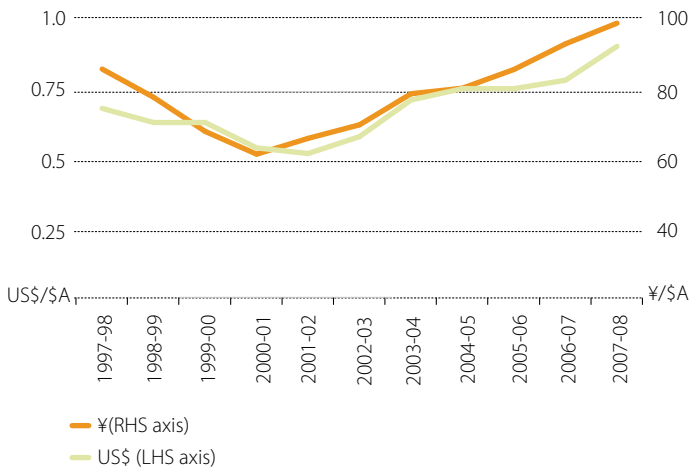


box 1 **Exchange rates and unit value**

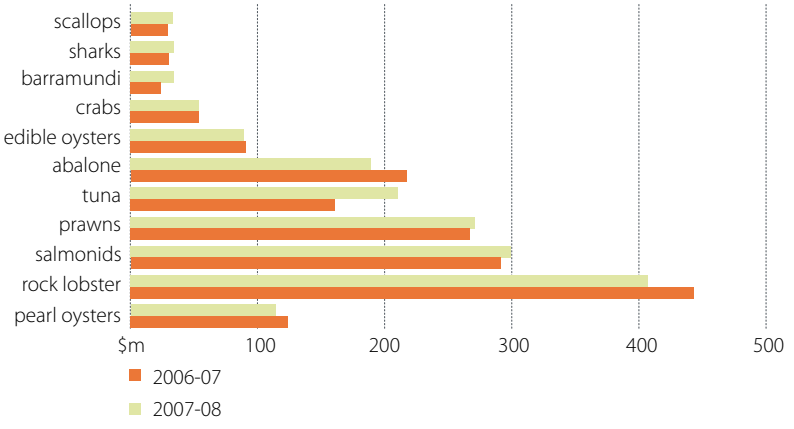
Because Australia is a small producer and exporter of fisheries products, prices received by an Australian producer are generally set on world markets in foreign currencies. Other things being equal, a depreciating Australian dollar results in producers receiving a higher export price in Australian dollar terms, while an appreciating Australian dollar results in a lower export price.

In recent years, the strong appreciation of the Australian dollar has simultaneously made exports less competitive and imports more attractive to domestic consumers. In 2007-08, the Australian dollar continued to appreciate against the US dollar and the Japanese yen, rising by 14 per cent and 6 per cent, respectively (figure e). These exchange rate increases may partially explain the general trend towards lower unit value for export oriented fisheries products such as prawns, rock lobster and abalone in 2007-08.

e US-Australian and Yen-Australian exchange rates



f Value of Australian fisheries production, by product



abalone ($189 million) (figure f). Australian sardines accounted for the highest individual catch by volume (14 per cent), followed by salmonids (11 per cent), prawns (10 per cent), tuna (6 per cent) and rock lobster (6 per cent).

Rock lobster

Key jurisdictions: Western Australia (w), South Australia (w), Tasmania (w) and Victoria (w)

In 2007-08, rock lobster production increased by 2 per cent (285 tonnes) to 13 800 tonnes. Despite this increase in production volume, the gross value of rock lobster production in Australia fell by 8 per cent ($36 million) to $407 million as a result of lower unit prices, which fell by 9 per cent on average in Western Australia, South Australia and Victoria. Approximately two-thirds of Australia's rock lobster production is from Western Australia, where average catches are around 11 000 tonnes. However, in recent years, catch levels from the state have been lower than historical average at only 8961 tonnes in 2007-08. In 2007-08, the value of Western Australia's rock lobster production fell by 12 per cent ($30 million) to $217 million.

The majority of rock lobster production is exported. Major export markets include Hong Kong, Japan and the United States. Prices in overseas markets rose over the period 2003-04 to 2006-07 because of stronger demand and a reduction in supply from competing producers such as the United States. In 2007-08 beach prices fell by around 9 per cent because of the appreciation of the Australian dollar against the US dollar. Although domestic prices for rock lobster have recovered in recent years, they are still approximately 20 per cent lower in real terms than the peak in 2001-02 (figure d).

Salmonids

Key jurisdiction: Tasmania (a)

Since salmon farming started in 1998, salmonids production has increased significantly, with most of this growth occurring in the period 2002-03 to 2006-07. Farmed salmonids have become one of the key species of Australian fisheries production. More than 95 per cent of Australia's farmed salmonids production occurs in Tasmania.

Between 2002-03 and 2006-07, farmed Australian salmonids production rose by 66 per cent (10 200 tonnes) in volume and 121 per cent ($164.6 million) in real value to reach 25 600 tonnes and $300.6 million, respectively. In 2007-08 farmed salmonids production remained stable in terms of production volume.

Tasmania producers supply most of their salmonids to the domestic market. A key factor contributing to the rapid growth in recent years has been a strong focus on marketing salmon to Australian consumers. Another factor behind the sector's strong growth is the role of research and development, which has allowed the sector to adopt improved feeding techniques and apply better disease control measures.

Prawns

Key jurisdictions: Queensland (w, a), Commonwealth northern and Torres Strait prawn fisheries (w), Western Australia (w) and South Australia (w)

In 2007-08 Australian prawn production rose by 8 per cent (1600 tonnes) to 22 400 tonnes. This was largely the result of higher catches in the Commonwealth prawn fisheries, which increased by 28 per cent (1700 tonnes) compared with 2006-07. The gross value of Australian prawn production remained stable at $268 million despite an 8 per cent decrease in average unit prices received by fishers. The volume of aquaculture prawn production was 3100 tonnes in 2007-08 and was valued at $44.2 million. Over the past five years, aquaculture prawns accounted, on average, for around 14 per cent of the total volume of Australian prawn production.

Since 2000-01, the real value of prawn production has fallen by half in real value terms ($286 million). Most of this decline is attributed to a fall in production volumes of 26 per cent (7700 tonnes) over the period to 2007-08, and to a lesser extent, also to lower unit prices, which declined by 35 per cent in real terms over the same period. In particular, production in two main prawn fisheries, the Northern Prawn fishery and the Queensland fishery, fell by 30 per cent (2900 tonnes) and 17 per cent (1600 tonnes), respectively, over this period.

One factor contributing to the decline in production was the appreciation of the Australian dollar, which resulted in local producers facing strong competition from imported prawns, particularly from Viet Nam and China. Over the 10 years to 2007-08, the quantity of imported prawns more than doubled, while average unit import prices (in real terms) nearly halved. The appreciation of the Australian dollar in recent years has reduced the price domestic producers receive for their product in export markets, placing pressure on the profitability of prawn operations. More recently, growth in prawn production has been moderated by the structural changes occurring in the northern prawn fishery, as a result of the Securing Our Fishing Future package, and higher fuel costs.

Abalone

Key jurisdictions: Tasmania (w, a), Victoria (w, a) and South Australia (w, a)

During the period 2000-01 to 2007-08, abalone average unit prices fell by 40 per cent in real terms. Average unit prices partially recovered in 2004-05 and 2005-06 before falling again in 2006-07 and 2007-08. Abalone production also decreased by 6 per cent (353 tonnes) during the period. The combined effect of declining production volumes and lower unit prices resulted in the real gross value of abalone production falling by 44 per cent ($149 million) over this period. In 2007-08 Australian abalone production was 5300 tonnes, worth an estimated $188.5 million.

A key driving factor of lower production volumes has been lower prices caused by the appreciation of the Australian exchange rate, changed management arrangements and adverse environmental conditions affecting production. A large proportion of abalone is exported, to Hong Kong, China and Japan. Therefore the appreciation of the Australian dollar from 2000-01 to 2007-08 had a significant effect on abalone exports, resulting in lower prices

for producers. Furthermore, lower total allowable catch (TAC) settings and the outbreak of disease in Victorian wild stocks in recent years has reduced abalone wildcatch production in Australia, which declined by 14 per cent (799 tonnes) over this period.

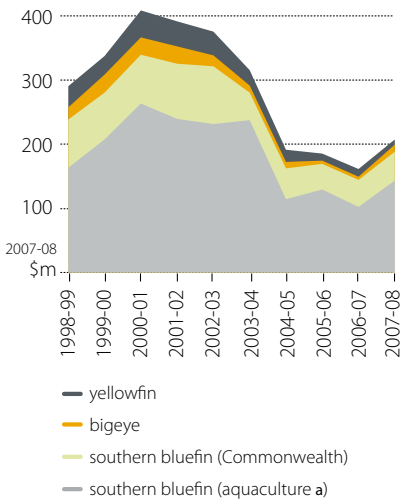
However, increased production in the aquaculture sector in Victoria, Tasmania and South Australia has to some extent offset the decreased production in the wildcatch sector.

Tuna

Key jurisdictions: South Australia (a) and Commonwealth southern bluefin tuna and eastern tuna and billfish fishery (w)

The value of tuna production rose by 30 per cent ($49 million) to $210 million in 2007-08 after falling significantly in 2006-07. This was mainly the result of a 16 per cent increase in average unit prices in most of the tuna fisheries. This was despite the dampening effect on unit prices from the appreciation of the Australian dollar against the Japanese yen and a 30 per cent and 95 per cent increase in southern bluefin tuna and bigeye tuna production, respectively. Compared to 2006-07, the total volume of tuna production increased by 12 per cent (1600 tonnes) to 14 700 tonnes in 2007-08. The increases in southern bluefin tuna and bigeye tuna production offset decreases in the volume of yellowfin tuna and billfish production, which declined by 30 per cent (550 tonnes) to 1300 tonnes and 5 per cent (100 tonnes) to 1800 tonnes, respectively, in 2007-08.

g Real value of Australian tuna production



a Excludes the value of farm input from the Commonwealth's southern bluefin tuna industry.

Approximately 90 per cent of Australia's tuna production is exported, mostly to the Japanese sashimi market. Most of this tuna is produced in South Australia's aquaculture sector, which takes most of the Commonwealth southern bluefin tuna's output for fattening in purpose built tuna ranches.

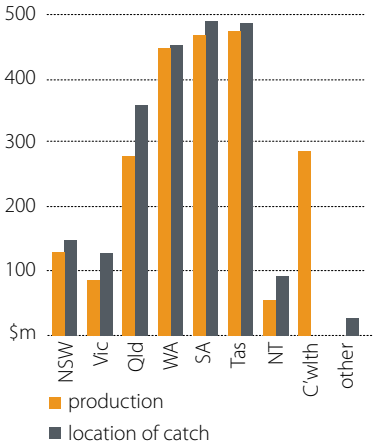
The sharp rise in the value of production of tuna in 2007-08 follows a period of sharply lower production since 2000-01. After peaking at $407 million in 2000-01, the real value of tuna production almost halved over the period to 2007-08 (figure g). Average unit prices fell by 42 per cent in real terms over this period, which was compounded by a 9 per cent fall in the volume of production.

In recent years, beach prices for tuna have been strongly influenced by export prices received from tuna exports to Japan. Besides the negative effect of the Australian dollar-Japanese yen exchange rate on domestic prices, Australian producers have also faced increased competition from Mediterranean and Mexican farmed northern bluefin tuna in the export market.

Production by jurisdiction

The gross volume and value of Australian fisheries production, by jurisdiction and location of catch, is given in tables 3–6. Production and value summaries for each jurisdiction are given in tables 7–14.

h Value of Australian fisheries products, by state, 2007-08

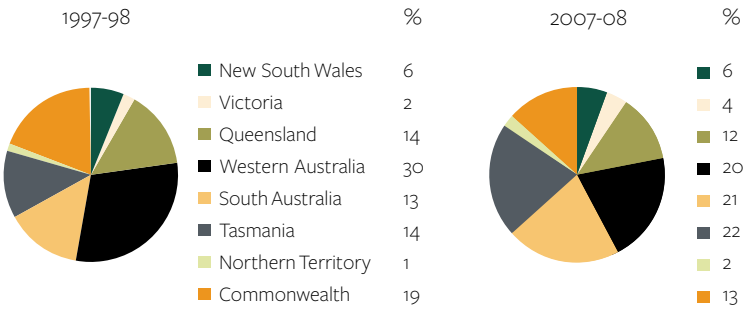


In 2007-08, Tasmania had the largest gross value of production ($475 million), accounting for 22 per cent of total fisheries production, followed closely by South Australia ($468 million, representing 21 per cent) and Western Australia ($448 million, representing 20 per cent) (figure h).

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 63 per cent of Australia's gross value of production.

From 1997-98 to 2007-08 Western Australia's share of gross value of production declined significantly, falling from 30 per cent in 1997-98 to 20 per cent in 2007-08 (figure i). Over the same period, Tasmania's and South Australia's share of total Australian fishery gross value of production increased significantly, reflecting the strong growth in aquaculture production in these states over this period. In 2007-08, aquaculture production in Tasmania was more than six times the production in 1997-98 (increasing by 24 000 tonnes), while South Australia's production was more than double that of 1997-98 (increasing by 14 700 tonnes). Over the same period, the share of Commonwealth fisheries production fell from 19 per cent to 13 per cent in value terms.

i Australian fisheries production, by jurisdiction



New South Wales table 7

Key species: oysters (a), prawns (w), sea mullet (w) and rock lobster (w)

In 2007-08, the gross value of fisheries production in New South Wales fell slightly, by 1 per cent ($1.7 million) to $130 million. This decline was driven by a significant decrease in production volume, which fell by 8 per cent to 19 800 tonnes. Most of the fall in production volumes and value occurred in the wildcatch sector, where production volume and value decreased by 11 per cent and 4 per cent, respectively. Contributing most to this decline were falls in production volume and unit value of particular species, especially sea mullet and breams. However, the effect of a decline in production value of key fish species was offset to some extent by increases in the production value of crustacean species, particularly rock lobsters and king prawns.

The gross value of aquaculture production in New South Wales increased by 5 per cent ($2.1 million) to $48 million in 2007-08. This was driven mostly by a $2.6 million increase in the value of oyster production, which offset a decline of $0.5 million in the value of farmed trout, silver perch and mussel production. Production remained relatively unchanged at 5200 tonnes in both 2006-07 and 2007-08.

Oysters, prawns and silver perch were the major contributors to the gross value of production of aquaculture in New South Wales. In 2007-08 these species accounted for 91 per cent of the state's gross value of aquaculture production. The remainder of aquaculture value of production came from barramundi, snapper, yabbies and trout.

Victoria table 8

Key species: abalone (w), rock lobster (w) and trout (a)

In 2007-08 the gross value of fisheries production in Victoria fell by 10 per cent ($9 million) to $86 million. This decline was mainly driven by the decline in the value of production for rock lobster and abalone, which fell by 11 per cent and 13 per cent respectively, as a result of lower production volumes in the case of rock lobster, and lower unit values in the case of abalone. Rock lobster production fell by 10 per cent, while unit value for abalone fell by 15 per cent. Volume and value of production of wildcatch crustaceans and molluscs also decreased considerably. In contrast, production of wildcatch fish species (especially Australian sardine, bream and King George whiting) increased by 14 per cent by volume and 15 per cent by value. Overall, there was a significant increase (12 per cent) in production volume in 2007-08, with most of this increase in catch coming from lower valued fish species.

The value of aquaculture production fell by 7 per cent, from $19.9 million in 2006-07 to $18.5 million in 2007-08. The fall in the gross value of aquaculture production was the result of a falling value of production for most of the cultured species, with the exception of ornamental fish and abalone. The value of salmonids production, the main aquaculture species, fell by 3 per cent to $6.7 million as a result of a 17 per cent decrease in production. In contrast, the value of farmed abalone production rose significantly by $1.6 million to $6 million in 2007-08 as the result of an increase in abalone production by 45 tonnes.

Queensland table 9

Key species: prawns (w,a), coral trout (w), crabs (w) and barramundi (a)

In 2007-08, the gross value of fisheries production in Queensland remained stable at $278.6 million but the production volume fell by 4 per cent to 29 000 tonnes. In the wildcatch sector, production value declined by $3 million to $203 million. However, this was offset by a $3.4 million increase in the value of aquaculture production. The greatest fall in production volumes was for wild caught tiger and endeavour prawns, with their combined value falling by $8.3 million. Offsetting these falls were rises in the production value of other prawn species, particularly king prawns ($3.3 million) and the production value of coral trout ($2.9 million). These increases were the result of higher production.

In 2007-08, the value of aquaculture production for most species decreased substantially. The value of production for prawns, the most valuable cultured species in Queensland, fell by 2 per cent ($1 million) to $41.5 million. The value of production for pearls and redclaw fell by 24 per cent each. However, this was offset by a significant 31 per cent ($5.8 million) increase in barramundi production value, resulting in an increase in the gross value of aquaculture production by 5 per cent to $75.5 million in 2007-08.

Western Australia table 10

Key species: rock lobster (w), pearls (a), prawns (w), scallop (w) and abalone (w)

The gross value of production in Western Australia fell by 7 per cent ($33 million) to $448 million in 2007-08 despite a 5 per cent increase in fisheries production volume. This decline was the result of a significant decrease in the value of production (mainly from weaker prices) of wild caught crustaceans, especially rock lobster and prawns. The unit value of rock lobster and prawns fell by 15 per cent and 5 per cent, respectively, between 2006-07 and 2007-08. As a result, the gross value of production of these species fell by 12 per cent and 6 per cent, respectively, in 2007-08.

The decline in the gross value of production in Western Australia also reflected a 5 per cent decline in the value of aquaculture production. This fall was the result of a significant decrease in the value of pearls, the most valuable cultured species in the state. The value of pearl production fell by 7 per cent from $122 million in 2006-07 to $113 million in 2007-08. However, the decline in the gross value of pearl production was offset by a significant increase in the gross value of other aquaculture species. In 2007-08, the gross value of other aquaculture production (excluding pearls) increased by 41 per cent ($2.9 million) to $9.8 million in 2007-08. This increase was driven mainly by the increase in both volume and value of cultured fish.

South Australia table 11

Key species: southern bluefin tuna (a), rock lobster (w), prawns (w), abalone (w) and oysters (a)

The gross value of fisheries production in South Australia rose by 10 per cent ($41.6 million) to $468 million in 2007-08. In the wildcatch sector, production decreased by $12.7 million to $206 million in 2007-08. This was largely attributable to the decline in the value of rock lobster and prawn production, which decreased by $5.1 million and $6.8 million, respectively. Lower unit values, especially for rock lobster and prawns, were the main driver of this fall. In 2007-08, the unit values of rock lobster and prawns declined by 2 per cent and 19 per cent, respectively.

The value of South Australian aquaculture production rose by 26 per cent ($54.3 million) to $262.2 million in 2007-08. The value of southern bluefin tuna production rose significantly by 36 per cent ($49 million) to $186.7 million. This largely offset a 20 per cent decrease in the value of oyster production as a result of a 29 per cent decrease in the volume of oyster production.

The observed increase in southern bluefin tuna aquaculture production in 2007-08 is the result of harvesting being carried out later than normal in the calendar year 2007. Therefore, the sale of the remaining tuna is recorded against the 2007-08 financial year. This accounts for the difference between the increase in production in the Commonwealth southern bluefin tuna fishery and the increase in tuna production in the South Australian aquaculture sector in 2007-08.

The majority of southern bluefin tuna caught in Australia is captured by Commonwealth endorsed 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 all of the farmed tuna is exported to Japan. In recent years, the strong appreciation of the Australian dollar against the Japanese yen by 6 per cent and competition from farmed northern bluefin tuna from the Mediterranean and Mexico have reduced the price received by Australian producers in the Japanese market. The real unit price of southern bluefin tuna from South Australian aquaculture farms has almost halved to $19 a kilogram since 2000-01, with production value falling by $135.3 million (in real terms) over the period 2000-01 to 2007-08.

Tasmania table 12

Key species: salmonids (a), abalone (w, a) and rock lobster (w)

The gross value of Tasmanian production was $475.5 million in 2007-08, a decrease of 3 per cent from 2006-07. This decline was the result of a 15 per cent ($27 million) decrease in the value of wildcatch production, which was compensated by a 4 per cent ($12.4 million) increase in the value of aquaculture production.

In 2007-08, the production of the Tasmanian wildcatch sector was valued at $156.7 million, a decrease of 15 per cent from 2006-07. Rock lobster and abalone accounted for 94 per cent of this value, contributing $147 million. In 2007-08, the value of rock lobster production and abalone production fell by $2 million and $17 million, respectively, as a result of decreases in production volume. Wildcaught finfish also decreased by $2 million.

In 2007-08 the value of Tasmanian aquaculture production was $319 million, accounting for 67 per cent of the gross value of Tasmanian production. The most valuable species produced were salmonids, abalone and oysters. These species accounted for about 99 per cent ($316 million) of the gross value of Tasmanian aquaculture production in 2007-08.

Northern Territory table 13

Key species: gold band snapper (w), crabs (w), barramundi (w) and mackerel (w)

The gross value of production in the Northern Territory was $55.5 million and the catch was 5900 tonnes in 2007-08. The gross value of production increased by 4 per cent because of a significant increase in catch and average unit value of major species, especially gold band snapper. The value of gold band snapper catch increased by 80 per cent and value of production increased by 108 per cent in 2007-08. Other major species such as crabs and barramundi also experienced higher unit prices compared with the previous year.

The gross value of aquaculture production fell by 8 per cent ($2 million) to $22.6 million in 2007-08.

Commonwealth table 14

Key species: prawns, tuna and sharks

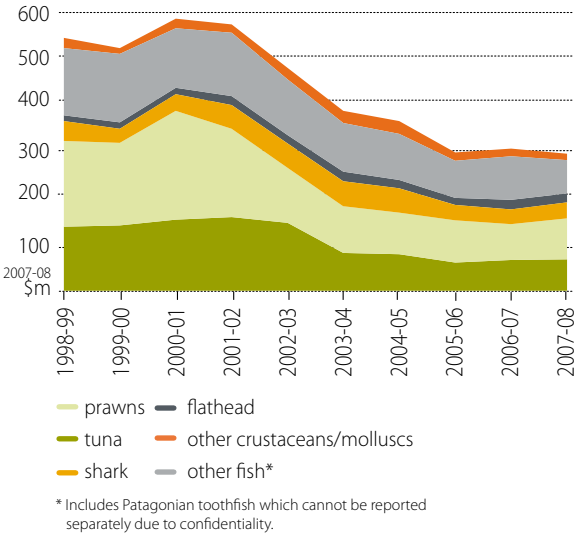
In 2007-08, the gross value of Commonwealth fisheries production fell by 2 per cent to $288 million, almost half the level of $582 million in 2000-01 (figure j). Commonwealth fisheries production also declined significantly since 2000-01, falling by 28 per cent, from 72 300 tonnes in 2000-01 to 52 200 tonnes in 2007-08. The decline in production coincided with a period of lower beach prices, which on an average unit value basis, decreased by 31 per cent in real terms across all species from 2000-01 to 2007-08.

The northern prawn fishery remained the most valuable fishery in 2007-08, with a gross value of production of $74 million. In 2007-08, the fishery experienced a 34 per cent increase in production and 16 per cent increase in the gross value of production. The strong growth in production is attributed to favourable seasonal conditions for banana prawns, which resulted in banana prawn production rising by 100 per cent (2700 tonnes) to 5300 tonnes. Despite a 2 per

Top five fisheries, by value

Northern prawn fishery	$74 million
SESS Commonwealth trawl sector	$46 million
Southern bluefin tuna	$45 million
Eastern tuna and billfish	$32 million
SESS gillnet, hook and trap sector	$28 million

j Real gross value of Commonwealth fisheries production, by species



* Includes Patagonian toothfish which cannot be reported separately due to confidentiality.

cent decrease in the average unit price, the value of banana prawn production increased by 95 per cent. In contrast, the tiger prawn catch and production value declined to one-third of the catch and value in 2006-07.

In 2007-08, the gross value of production in the Commonwealth trawl sector of the southern and eastern scalefish and shark fishery fell by 15 per cent to $46 million and production fell by 7 per cent to 15 000 tonnes. Species caught in the sector mostly comprised of tiger flathead, ling, blue grenadier and spotted warehou. The largest falls in production were from blue grenadier and spotted warehou. The value of production of blue grenadier fell by 23 per cent to $11 million. Spotted warehou production was valued at $3 million, a reduction of 31 per cent ($1.4 million). Tiger flathead production increased by 14 per cent while the value of production fell slightly by 1 per cent. Prices decreased for most of the major species, resulting in an average 7 per cent decrease in unit value across all species in the sector.

The southern bluefin tuna fishery was the third most valuable of the Commonwealth managed fisheries in 2007-08. The fishery experienced an increase in gross value of production of 9 per cent to reach $45 million in 2007-08.

In 2007-08, the gross value of production in the eastern tuna and billfish decreased by 2 per cent to $32 million. The major species caught in the fishery remained yellowfin tuna, bigeye tuna and billfish, accounting for 86 per cent of the gross value of production of the fishery. In recent years there has been a significant increase in the share of albacore tuna in the gross value of production of the fishery. The total catch of albacore tuna during the period 2005-06 to 2007-08 was 5500 tonnes, which was equivalent to the volume of albacore tuna caught in the fishery in the 10 years prior to 2005-06.

The Commonwealth gillnet, hook and trap sector of the southern and eastern scalefish and shark fishery is a multi-species fishery, but the major species are sharks (mainly gummy and school shark), blue eye trevalla and ling. These species accounted for 88 per cent of the fishery's gross value of production in 2007-08. Shark catches (gummy and school) accounted for 69 per cent of the total gross value of production, followed by blue eye (11 per cent) and ling (8 per cent). The gross value of production of the Commonwealth gillnet, hook and trap fishery increased by 16 per cent ($3.8 million) to $27.5 million in 2007-08 as a result of a 13 per cent increase in production. The catch of gummy shark increased by 21 per cent and the gross value of production increased by 34 per cent. The catch of school shark increased by 48 per cent (124 tonnes) to 380 tonnes and the gross value of production increased by 36 per cent ($600 000) despite an 8 per cent decrease in the unit price.

In 2007-08, prawns remained the most valuable species caught in the Commonwealth fisheries, with the gross value of prawn production rising by 13 per cent ($9.6 million) to $83.7 million. This increase was driven by a 26 per cent (1600 tonnes) increase in prawn production to 7900 tonnes in 2007-08, which offset the negative effect of an 11 per cent decrease in average unit price on the gross value of prawn production. The northern prawn fishery accounted for around 90 per cent of the Commonwealth prawn production in 2007-08.

The second most valuable species in 2007-08 was tuna. Although catch fell by 7 per cent compared with the previous year, the gross value of production increased by 5 per cent to $67.2 million as a result of increased unit prices.

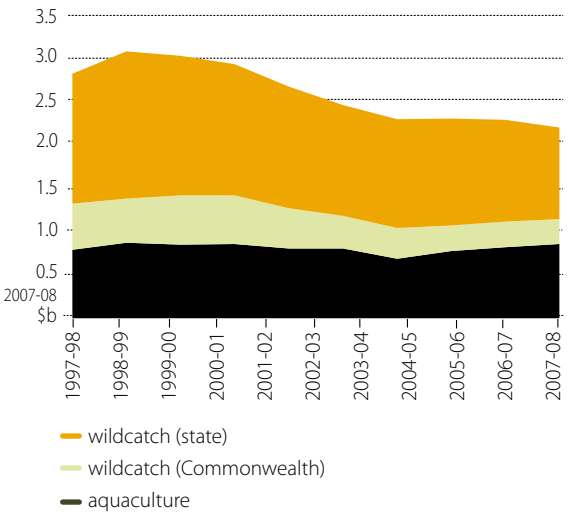
The value of shark production, the next most valuable species, was $23 million in 2007-08. The gillnet, hook and trap sector and the Commonwealth trawl sector of the southern and eastern scalefish and shark fishery contributed 95 per cent of the total value of shark catches. The major catches were gummy sharks ($18 million) and school sharks ($2.3 million). The remainder was mainly from the Great Australian Bight sector of the southern and eastern scalefish and shark fishery.

Other valuable species landed from Commonwealth fisheries in 2007-08 included flathead (valued at $17.8 million); blue grenadier ($10.9 million); rock lobster ($9.4 million); broadbill swordfish ($7.8 million);and ling ($6.5 million).

Production by sector

The gross volume and value of Australian production, by sector, is given in table 1. Production and value summaries for each sector are given in table 2 (wildcatch) and tables 15 to 17 (aquaculture).

k Real value of Australian fisheries production, by sector [a]



a Excludes the value of farm input from the Commonwealth's southern bluefin tuna industry.

In 2007-08, the total volume of Australian fisheries production fell by 3 per cent (7800 tonnes) to 236 000 tonnes. This fall was driven by lower production in the Commonwealth and state wildcatch sectors, where production declined by 8 per cent (4600 tonnes) and 6 per cent (10 500 tonnes), respectively. This fall was partially offset by an increase of 4 per cent (2400 tonnes) in the production volume in the aquaculture sector.

Despite a large fall in production volume, the gross value of production fell by only 1 per cent ($24 million) to $2.19 billion (figure k). The gross value of aquaculture production rose by 8 per cent ($62.7 million). Meanwhile the gross value of production of the Commonwealth wildcatch fisheries fell by 2 per cent.

Aquaculture accounted for 40 per cent of the gross value of fisheries production in 2007-08, up from 29 per cent in 1998-99. Over the same period, the contribution of state fisheries to total wildcatch production value decreased from 55 per cent to 50 per cent. Commonwealth fisheries contribution to gross value of fisheries production steadily declined over this period from around 19 per cent in 1997-98 to 13 per cent in 2007-08.

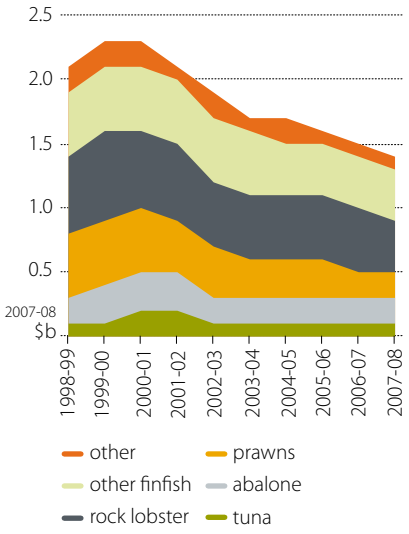
Wildcatch table 2

Key species: prawns, rock lobster, tuna and abalone

In 2007-08, the total production volume of the wildcatch sector declined significantly, by 5 per cent (10 300 tonnes) to 178 000 tonnes. Most of this decline reflected falls in the production of fish and molluscs, by 7 per cent (9000 tonnes) and 14 per cent (3000 tonnes), respectively. Offseting these declines was an increase in crustacean production of 5 per cent (1800 tonnes), driven largely by an 11 per cent (1900 tonnes) increase in prawn production.

As a result of lower production in 2007-08, the gross value of production of the wildcatch sector fell by 6 per cent ($83.2 million) to $1.3 billion. The value of finfish production fell by 3 per cent to $431.8 million, being driven by lower unit values for Australian salmon, Australian sardine and flathead, as well as decreased production of tuna, Australian salmon and whiting. The value of mollusc production fell by $30.4 million, driven largely by the fall in abalone production and unit value. The value of crustacean production fell by 38.4 million to $696 million as a result of lower prices for prawns and rock lobster.

Real gross value of Australian wildcatch fisheries production



Despite an 11 per cent ($48.5 million) decrease in production value in 2007-08, rock lobster ($407 million) remained the most valuable wildcatch species, followed by prawns ($223 million). Rock lobster and prawns accounted for 30 per cent and 17 per cent of total value of wildcatch production, respectively. Other key species included abalone ($172 million) and tuna ($68 million).

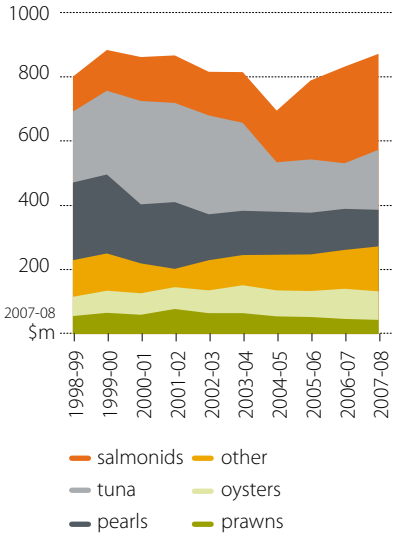
During 2000-01 to 2007-08 the gross value of production of the wildcatch sector fell by 39 per cent ($856 million) in real terms (figure I). This fall was a result of the decline in the value of production for all major wildcatch species such as rock lobster, prawns, tuna and abalone. In particular, the value of prawn and rock lobster production fell by $270 million and $183 million, respectively. The value of tuna and abalone production fell by $84 million and $162 million, respectively, over this period. These falls were the result of declining export unit prices, largely reflecting the strong appreciation of the Australian dollar against the currencies of major trading partners.

Aquaculture tables 15-17

Key species: prawns, oyster, tuna, salmonids

The gross value of aquaculture production continued to rise in 2007-08, by $62.7 million to $868 million (figure m). The value of finfish aquaculture rose by $83.7 million to $546.3 million. In particular, the value of tuna production increased by $49.1 million, followed by barramundi ($10.1 million) and salmonids ($8.5 million). These species accounted for 95 per cent of the gross value of Australian aquaculture finfish production in 2007-08. The value of crustacean production fell by $1.7 million as a result of declining prawn production. The value of mollusc production also fell by $12.3 million, driven by an 8 per cent decrease in the production of pearl oysters.

m Real gross value of Australian aquaculture production



In 2007-08, the most valuable aquaculture species was farmed salmonids, accounting for 34 per cent of total production value and 41 per cent of total production volume. The emergence of farmed salmonids as a key species, in terms of aquaculture production and fisheries production overall, follows several years of rapid growth in Tasmania. During the period 2002-03 to 2007-08 the real value of farmed salmonids production more than doubled in real terms (increasing by $163.3 million) to reach $299.3 million in 2007-08.

The value of farmed tuna production in South Australia, the second most valuable aquaculture species, rose by $49 million to $186.7 million in 2007-08 with production increasing by 30 per cent (2300 tonnes) to 9800 tonnes. Higher prices also contributed to the increase in the value of production.

Trade

Fast facts - Exports

In 2007-08

- the total export value of fisheries products fell by 10 per cent to $1.3 billion. A key driving factor behind this fall was a fall in the volume of production of edible fisheries products, and;
- approximately 80 per cent of export value was derived from edible fishery products such as fish and shellfish. The remainder was comprised of non-edible products, being predominantly pearls.

Since 2000-01

- the real value of Australian fisheries exports has fallen by $1.3 billion (49 per cent);
- the driving factor behind this fall has been the decline in the value of key export species. The combined value of rock lobster, pearl, abalone, tuna and prawn exports has fallen by $0.7 billion over this period, and;
- Hong Kong has overtaken Japan as Australia's main export destination for fisheries products.

Top five exports, by value

(edible and non-edible – table 18)

Rock lobster	$401 million
Pearls	$264 million
Abalone	$217 million
Tuna (whole)	$202 million
Prawns	$69 million

Top five export destinations

(edible and non-edible – tables 24 and 25)

Hong Kong, China	$554 million
Japan	$382 million
United States	$96 million
Chinese Taipei	$45 million
Singapore	$43 million

Fast facts - Imports

In 2007-08

- the value of Australian imports of fisheries products declined by 5 per cent to $1.4 billion;
- this fall is attributed to a fall in imports of crustaceans and molluscs (by 14 per cent to $417 million) and a fall in imports of non-edible fisheries products (by 6 per cent to $266 million), and;
- approximately 80 per cent of import value was derived from edible fishery products. The remainder was comprised of non-edible products, being predominantly pearls and fishmeal.

Top five imports, by value
(edible and non-edible – table 29)

Canned fish	$257 million
Frozen fish fillets	$228 million
Fresh, chilled or frozen prawns	$167 million
Pearls	$166 million
Canned crustaceans and molluscs	$128 million

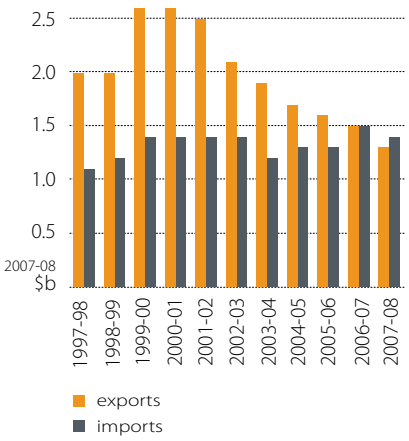
Top five import sources
(edible and non-edible – tables 37 and 38)

Thailand	$297 million
New Zealand	$207 million
Viet Nam	$142 million
China	$133 million
Malaysia	$56 million

Since 2003-04

- the real value of Australian fisheries imports has risen by $153 million (12 per cent), being mostly driven by greater imports of fresh, chilled and frozen prawns and frozen fish fillets, and;
- the share of edible fishery imports from China and Viet Nam has risen, although Thailand and New Zealand remain Australia's main source of edible imports.

n Real value of Australian exports and imports of fisheries products



Exports and imports

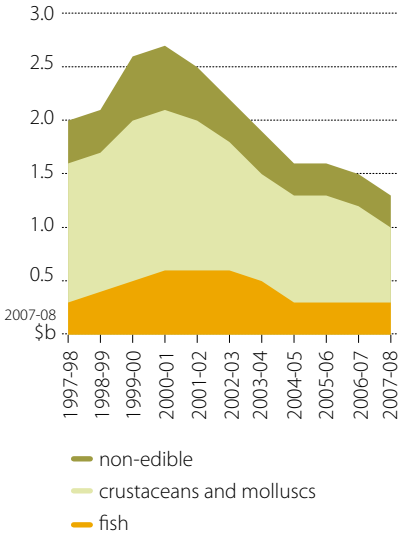
Historically, Australia has been a net importer of fisheries products in volume terms but a net exporter in value terms. This disparity reflects the composition of Australian fisheries exports compared to imports. Australian fisheries exports are dominated by high value species such as rock lobster, tuna and abalone, while imports largely consist of lower value products such as frozen fish fillets, canned fish and frozen prawns. In recent years, the gap between imports and exports has closed. In 2007-08 Australia became a net importer of fisheries products in value terms (figure n).

The total value of Australian exports of fisheries products was $1.3 billion in 2007-08. Nearly 80 per cent of this value was derived from edible fisheries products, such as fish, crustaceans and molluscs, which were valued at $1.1 billion.

In real terms, the value of Australian fisheries exports has fallen by 49 per cent ($1.3 billion) since 2000-01 (figure n). The main factors contributing to this decline are a 32 per cent decrease in the volume of edible exports and falling unit prices for major export species, particularly rock lobster, prawns, tuna and abalone. The decline in unit export prices is the result, in part, of a strong appreciation of the Australian dollar against the Japanese yen and US dollar over this period.

In real terms, the value of Australian fisheries imports has risen by 12 per cent ($153 million) since 2003-04 (figure n). The main factors contributing to this increase are an 85 per cent increase in the quantity of canned crustacean and mollusc imports, and higher unit prices for whole fish and canned fish products.

o Real value of Australian fisheries exports, by commodity

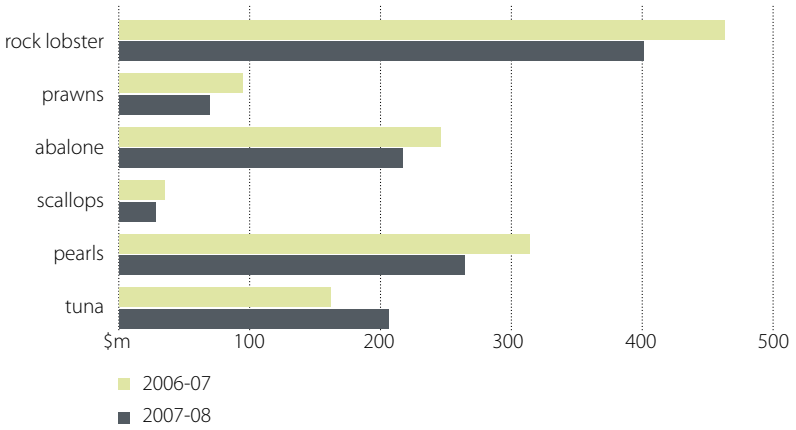


Exports by commodity

The total export value of fisheries products (edible and non-edible) fell by 10 per cent in 2007-08 to $1.3 billion (figure o). This fall was driven by a decrease in the volume of crustacean and mollusc product exports, which fell by 14 per cent in volume terms and 15 per cent in value terms to $740 million, and a fall in the value of non-edible exports, by 18 per cent to $276 million. The value of edible fish exports rose in 2007-08 by 16 per cent to $325 million, being driven by a strong increase in the export value of whole tuna, which increased by 26 per cent to $202 million.

The top five fisheries export products by value were rock lobster, pearls, abalone, tuna and prawns. Rock lobster remained the most important export species ($401 million), followed by pearls ($264 million), abalone ($217 million), tuna ($206 million) and prawns ($69 million) (figure p).

p Value of Australian exports of fisheries products, by key species



Edible fisheries products

Key species: rock lobster, abalone, tuna and prawns

Finfish

The total export volume of edible finfish fell by 2 per cent, from 22 900 tonnes in 2006-07 to 22 400 tonnes in 2007-08. However, the value of finfish exports increased by 16 per cent to $325 million in 2007-08, being driven by strong increases in the volume of exported whole frozen tuna and fresh or chilled salmon.

Tuna dominated edible finfish exports, accounting for about 56 per cent of the total export volume. In 2007-08, the volume of tuna exports was 12 600 tonnes, valued at $206 million. Tuna exports rose by 8 per cent in volume terms and 27 per cent in value terms in 2007-08. The increase in export value and volume of whole frozen tuna was the main source of the increase in tuna exports, increasing by 39 per cent and 32 per cent, respectively.

In 2007-08 salmon exports (mostly comprised of fresh or chilled salmon and canned salmon) accounted for about 12 per cent and 6 per cent of the total finfish exports by volume and value, respectively. Export volume and value of this commodity increased significantly by 62 per cent and 57 per cent, respectively, in 2007-08. Fresh or chilled salmon exports increased by 62 per cent, accounting for 81 per cent of total salmon exports by value. Canned salmon exports, which contributed around 13 per cent of salmon exports in 2007-08, more than doubled in terms of quantity, to 472 tonnes, and nearly doubled in terms of value, to $2.5 million.

Crustaceans and molluscs

The export value of crustaceans and molluscs decreased by 16 per cent in 2007-08 to $741 million, with falls in export value being recorded for most species. The fall in export value for this category was matched by falls in the volume of exports, which fell by 14 per cent to 21 600 tonnes.

The major crustacean and mollusc exports are rock lobsters, prawns, crabs, abalone and scallops. Rock lobster accounted for 54 per cent of the total value of crustacean and mollusc exports in 2007-08 and the value of rock lobster exports declined by 13 per cent to $401 million. The value of prawn exports also fell significantly in 2007-08, by 27 per cent to $69 million because of a reduction of 37 per cent in whole prawn export volumes. Export earnings from abalone fell by 12 per cent to $217 million in 2007-08 as a result of the declines in export volume of 8 per cent and prices of 4 per cent.

Non-edible fisheries products

Key products: pearls

The value of non-edible fisheries product exports fell by 18 per cent to $276 million in 2007-08. Pearl exports, valued at $264 million, were the most valuable non-edible export product, accounting for 96 per cent of the total non-edible export value and 20 per cent of the value of total fisheries product exports. The other important non-edible fisheries products were marine fats and oils, fish meal and ornamental fish, comprising 4 per cent of the total export value of non-edible fisheries products.

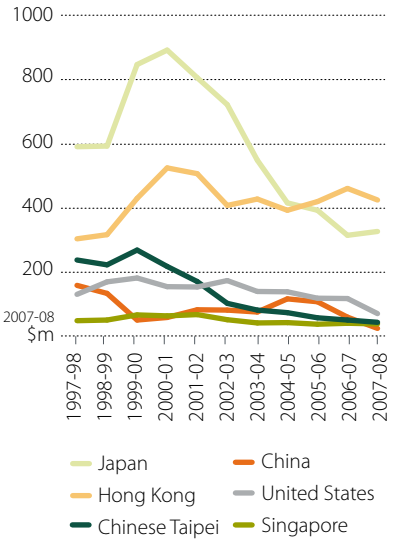
Exports by destination

Edible fisheries products

Key destinations: Hong Kong, Japan, United States

In 2007-08, Australia's major seafood export destinations were Hong Kong ($426 million), Japan ($328 million), the United States ($72 million) and Chinese Taipei ($45 million) (figure q). These countries accounted for about 85 per cent of the total Australian seafood exports in 2007-08.

q Australian exports of edible fisheries products (excluding live), by destination



In 2007-08, Hong Kong remained Australia's major export destination for edible fisheries products, accounting for 42 per cent of the total export value of edible fisheries products. Rock lobster and abalone were the main export species, accounting for 88 per cent of the total export value. However, exports of these species decreased by 3 per cent to $372 million. Exports of scallops, dried, salted or smoked fish, crabs and prawns accounted for the remainder of total edible fisheries product exports to Hong Kong.

Japan accounted for 32 per cent of the total export value of edible fisheries products in 2007-08. The main edible fisheries products exported to Japan were tuna (whole), rock lobster, abalone and prawns which accounted for 95 per cent of the total edible export value. Whole tuna was the most important export species which contributed 60 per cent to the total export value.

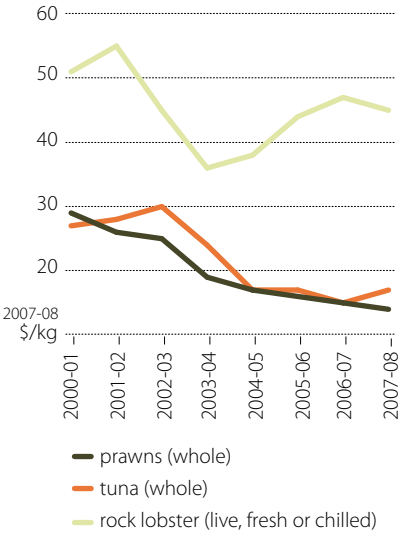
Japan is Australia's most important tuna export market and accounted for 97 per cent of Australian exports of whole tuna by volume (excluding canned) in 2007-08. Japan is also a major market for salmon exports and accounted for 57 per cent of the whole salmon export volume (excluding canned) in the same period.

Other important export destinations include the United States, Chinese Taipei, Singapore and China. In 2007-08, rock lobster accounted for 84 per cent and 72 per cent of Australian seafood exported to the United States and Chinese Taipei, respectively. In 2007-08, Singapore became Australia's fifth most valuable export destination with a total export value of $40 million. Exports of Australian edible fisheries products to China have decreased significantly over the past three years. Over the period 2005-06 to 2007-08, the volume and value of edible fisheries exports to China decreased by 61 per cent and 76 per cent, respectively.

The value of edible fish product exports to Japan increased by 7 per cent to $328 million in 2007-08. Most of this increase was attributed to an increase in the export value of tuna of 31 per cent to $196 million. The rise in export value in 2007-08 is in contrast to a decline in the value of seafood export to Japan between 2000-01 and 2006-07. Since 2000-01, the total value of seafood exports to Japan has fallen by more than half. This fall has been driven by substantial reductions in the export volume of major products (such as whole tuna, rock lobster and prawns) and the appreciation of the Australian dollar relative to the Japanese yen. In addition, weaker demand in the Japanese market has resulted in declines in prices for some key export species (especially rock lobster and prawns) (figure r).

In 2007-08, most finfish products were exported to Japan (tuna and salmon), New Zealand (canned fish), Thailand and China (whiting). Hong Kong and Japan remained the primary

r Real export prices of key species to Japan



markets for Australian exports of crustaceans and molluscs. Export earnings from these markets for crustacean products were about 66 per cent of the total value of Australian crustacean exports and were valued at $324 million.

Non-edible fisheries products

Key destinations: Hong Kong, Japan, United States

The major destinations of non-edible fisheries products were Hong Kong, Japan and the United States. Of the total non-edible export value, Hong Kong accounted for about 46 per cent ($128 million) in 2007-08, Japan accounted for 19 per cent ($53 million) and the United States accounted for 9 per cent ($24 million). The major products exported to these markets were pearls. Pearls exported to Hong Kong, Japan and the United States accounted for about 99 per cent, 98 per cent and 87 per cent, respectively, of the value of these countries' total non-edible product imports from Australia.

Exports by states

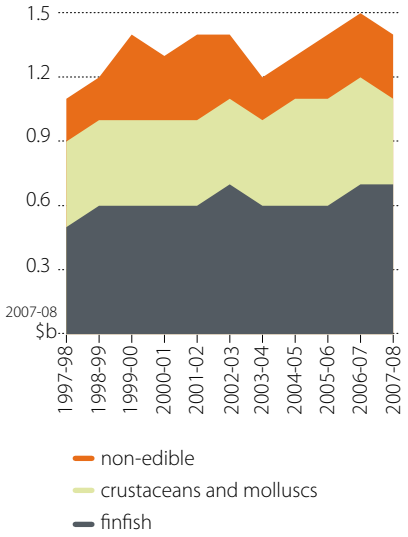
South Australia, Western Australia, Queensland and Tasmania accounted for $913 million (86 per cent) of the total export value of seafood products by state. South Australia remained the major exporter by value and accounted for around 32 per cent total fisheries exports (table 28). The most valuable export species from South Australia were fresh, chilled or frozen whole fish, followed by rock lobster. Western Australia was the main exporter of rock lobster, accounting for 57 per cent of the total export value of this species, and was the second largest state exporter of fisheries products. Queensland and Tasmania contributed to around 15 per cent and 14 per cent of total state export value, respectively.

Imports by commodity

The total value of Australian imports of fisheries products decreased by $69 million (5 per cent) in 2007-08 to $1.4 billion. Approximately 81 per cent of this value was derived from edible products (valued at $1.1 billion), including finfish (51 per cent) and crustaceans and molluscs (30 per cent). The remaining 19 per cent comprised of non-edible products such as pearls, fish meal and marine fats and oils (figure s).

Most of the decline in import value in 2007-08 was because of a substantial decline in the value of crustacean and mollusc imports, which fell 14 per cent ($66 million) to $417 million. The import value of non-edible fish products also fell, by around 6 per cent to $266 million.

S Real value of Australian fisheries imports



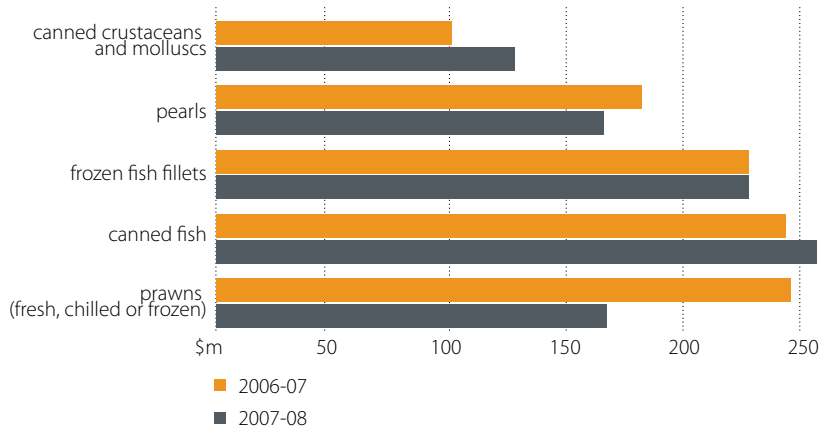
The major imported products were canned fish ($257 million), frozen fish fillets ($228 million), fresh, chilled or frozen prawns ($167 million) and pearls ($166 million) (figure t).

Edible fisheries products

Key species: fish (canned, frozen fillets), prawns (fresh, chilled or frozen)

The total import value of edible fisheries products in 2007-08 decreased by 4 per cent ($52 million) to $1.1 billion. The largest fall in edible import value was from fresh, chilled or frozen prawn imports (which fell by 32 per cent) and smoked, dried or salted fish (which fell by
15 per cent). Offsetting these declines was the rise of imports in some other categories which comprise a substantial share of fishery product imports. For example, the imports of canned fish rose by 6 per cent to $257 million.

t Value of Australian imports of fisheries products



In 2007-08, 63 per cent of the total value of imports of edible fisheries products ($715 million) was from finfish, with crustaceans and molluscs comprising the remainder ($417 million). The largest categories of edible finfish imports in value terms were canned fish ($257 million) and frozen fish fillets ($228 million). Crustacean and mollusc imports consisted mainly of prawns ($250 million, including canned), followed by calamari, squid and octopus ($46 million) and scallops ($28 million).

Finfish

Finfish imports were valued at $715 million and accounted for 63 per cent of the total edible imports in 2007-08. This value increased slightly (2 per cent) in 2007-08 because of the higher import value of fresh, chilled or frozen whole fish and canned fish. The value of fresh, chilled or frozen whole fish imports increased by 17 per cent to $75 million. Canned fish imports increased by 6 per cent from $244 million in 2006-07 to $257 million in 2007-08. The import value of frozen fish fillets was stable at around $228 million and accounted for 32 per cent of the total finfish imports in 2007-08. Canned tuna made up about 24 per cent of total value of finfish imports.

Frozen fish fillets and canned tuna together comprised about 60 per cent of the total finfish imports in volume terms which amounted to 82 000 tonnes. Canned salmon also contributed a large proportion to total finfish imports and accounted for 6 per cent of total finfish imports (8000 tonnes).

Crustaceans and molluscs

Crustacean and mollusc imports fell by 14 per cent in 2007-08 to $417 million. That decline was mainly driven by a significant fall in fresh, chilled or frozen prawn imports, which decreased by 28 per cent to 19 000 tonnes. The fall in the import value of this category was larger (32 per cent) as a result of a decline in unit import values of around 6 per cent. However, the fall in import value was offset by a 25 per cent increase in the import value of canned and preserved crustacean and mollusc species to $129 million. Most of the increase is because of an increase in the volume of canned and preserved prawn imports, which rose by 41 per cent to 11 000 tonnes. The value of canned and preserved prawn imports increased by 35 per cent to $84 million in 2007-08.

Non-edible fisheries products

Key products: pearls, fish meal

The total import value of non-edible fisheries products decreased by 6 per cent to $266 million in 2007-08. The major non-edible fish import products were pearls (63 per cent), fish meal (15 per cent) and marine fats and oils (10 per cent). A large part of this decline is attributed to an 8 per cent decrease in the value of pearl imports, which fell by $15 million to $166 million. This decline was offset by a 13 per cent increase in the value of marine fats and oils, which rose by around $3 million to $27 million, and by a 3 per cent increase in the import value of fish meal, which rose by $1 million to $41 million.

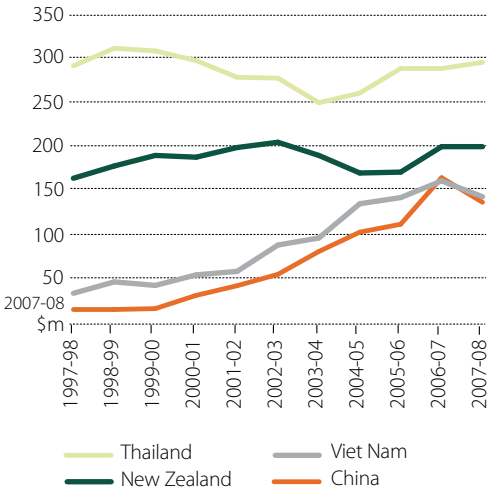
Imports by source

Edible fisheries products

Key sources: Thailand, New Zealand, Viet Nam, China

The major sources for Australian edible imports were Thailand, New Zealand, Viet Nam and China (figure u). Thailand remained the largest source by value ($295 million),

U Value of Australian imports of edible fisheries products (excluding live), by source

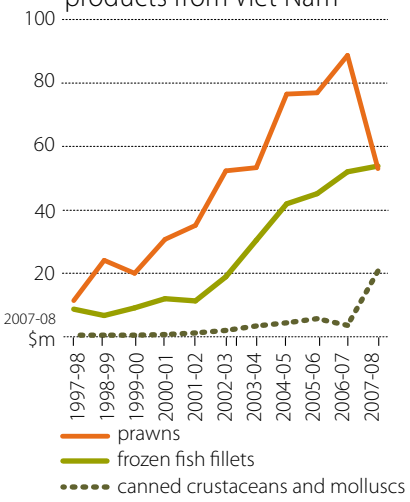


accounting for 26 per cent of the total edible import value in 2007-08. New Zealand, Viet Nam and China accounted for about 18 per cent, 13 per cent and 12 per cent of the total edible import value, respectively.

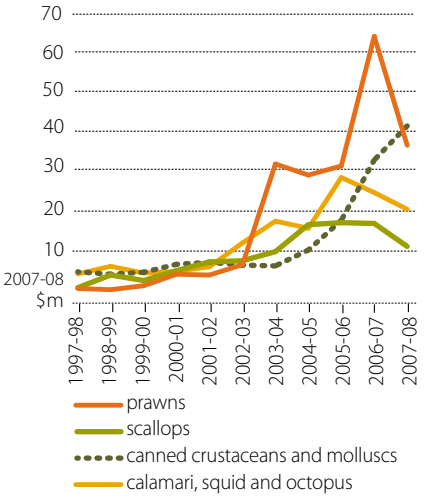
The major import product from Thailand is canned fish, predominantly tuna which accounted for about 56 per cent of the total value of edible fisheries products imported from Thailand. The major import products from New Zealand were frozen fish fillets and fresh and chilled whole fish. In 2007-08, Australia imported $63 million of frozen fish fillets and $50 million of fresh and chilled whole fish from New Zealand.

The import value of edible fisheries products from Viet Nam and China has increased sharply in recent years (figures v and w). The main commodities imported from these two countries have been prawns and canned crustaceans and molluscs which peaked at $175 million in 2006-07. However, in 2007-08 the import value of prawns from these countries fell sharply, by 39 per cent, because of lower import volumes and prices. In 2007-08, Australia imported around $90 million of prawns from Viet Nam and China, accounting for 36 per cent of the total value of prawn imports.

V Value of Australian imports of selected edible fisheries products from Viet Nam



W Value of Australian imports of selected edible fisheries products from China



Non-edible fisheries products

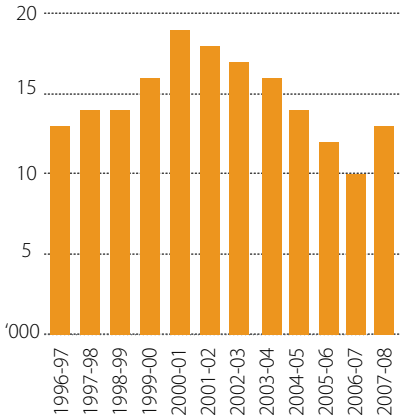
Key sources: Peru, the United States

In 2007-08 Australia imported $266 million of non-edible fisheries products mainly from Peru and the United States with a combined value of $62 million, accounting for 23 per cent of total non-edible imports. Non-edible imports from Peru mostly comprised of fish meal (mainly by Tasmania). Non-edible imports from the United States mostly comprised of other marine products (mainly by South Australia). Other major import sources were New Zealand and Indonesia, which contributed $8.4 million and $8.0 million, respectively.

Employment

The Australian Bureau of Statistics (ABS) reports two main series relating to commercial fishing employment. Estimates from the Labour Force Survey (part of the Monthly Population Survey) indicate that commercial fishing employment in 2007-08 was 13 000 persons, more than 30 per cent higher than in 2006-07, but around 32 per cent lower than in 2000-01 (figure x).

X Commercial fishing employment in Australia



Source: Australian Bureau of Statistics 2009.

Information collected from the 2006 ABS census provides further information on total employment in the fishing industry (table A). Of the 9700 people employed in the industry in 2006, more than one-third (3600 persons) were employed in aquaculture and more than 1100 persons were employed in rock lobster fishing, principally in Western Australia and South Australia. Tasmania has the largest share of aquaculture employment, while the fishing industries in Queensland, South Australia and Tasmania each employed around 1300 people. The affiliated industries of fish wholesaling and seafood processing employed 4200 and 2000 people, respectively.

A Estimated employment in the Australian fishing industry

Australian Bureau of Statistics census data, August 2006 **a**

	NSW	VIC	QLD	WA	SA	Tas	NT	ACT	Australia
	no.	no.	no.	no.	no.	no.	no.	no.	no.
Aquaculture	709	280	551	325	766	935	62	0	3 628
Finfish trawling	61	52	61	23	53	25	4	0	278
Line fishing	7	10	27	15	18	8	0	0	86
Prawn fishing	130	4	323	93	78	0	19	0	648
Rock lobster fishing	43	93	104	491	227	183	13	0	1 154
Other fishing **b**	865	355	945	530	627	427	186	7	3 942
Total	1 815	794	2 011	1 477	1 769	1 578	284	7	9 736
Fish wholesaling	1 039	859	1 037	452	460	295	43	17	4 202
Seafood processing	203	259	273	357	509	385	15	0	2 001
Total	1 242	1 118	1 310	809	969	680	58	17	6 203

a Based on 2006 ANZIC classification **b** Includes fishing, hunting and trapping (not elsewhere specified).
Source: Australian Bureau of Statistics 2007.

Several points should be noted about the ABS employment data. Employment in commercial fishing covers Commonwealth fishing employment and state fisheries and aquaculture. Also, employment data do not give a strong indication of where the incomes of those employed in commercial fishing are spent.

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 useful, and tends to under record employees by allocating them to other industries such as transport and generalised food processing' (FRDC 2004). While it may be the case that those involved in transporting seafood are not strictly engaged in the commercial fishing industry, some of the categories behind the aggregate presented in figure x are likely to overlap.

Recreational and charter fishing

The management of recreational and charter fishing in Australia is the responsibility of the individual state and territory authorities. Licensing requirements and regulations vary considerably between jurisdictions and often depend on location, fishing method and the species being targeted. Recreational fishers do not have to report their activities to the fishery management agency.

In New South Wales a recreational fishing license is required for all recreational fishing activities. Size and bag limits apply for many species, as do gear restrictions and area/seasonal closures. Charter boat operators are also required to hold a license and maintain comprehensive catch records. However, there are a number of categories entitling an exemption to holding a license, with size and catch limits, and area and seasonal closure applying.

Fisheries Victoria stocks about 1.1 million native and salmonid fish per annum into Victorian public waters for recreational fishing purposes. An all-water recreational fishing license is required for activities in Victoria. However, size and catch limits, and area and seasonal closures also apply for a number of categories which entitle exemptions to holding a license.

In Western Australia, recreational fishing licenses are required for abalone, rock lobster, marron, net fishing and freshwater angling. Seasonal closures are used to moderate fishing effort, and size and bag limits also apply for the majority of species caught. Since 2001, operators in the aquatic tour industries, including charter fishing boats, are required to hold a license.

A recreational fishing license is necessary in Tasmania for inland freshwater fishing and for the collection of abalone, rock lobster and scallops. Gear restrictions and seasonal closures apply. Bag, size and possession limits and area restrictions apply for abalone, rock lobster, shellfish and scalefish.

Recreational fishers in Queensland, South Australia and the Northern Territory are not required to hold a license, although in the Northern Territory a permit is needed to enter aboriginal land and adjoining waters. Charter boat operators in South Australia and Queensland and commercial fishing guides in the Northern Territory are required to hold a license and must submit a logbook of their catch. Queensland and South Australia use effort controls such as size and bag limits, gear restrictions and seasonal and area closures to regulate catch. Additionally, in South Australia, the Fisheries Management Act 2007 requires the registration and personal use only of rock lobster pots, with limited maximum width and height. In the Northern Territory fish possession limits apply for a number of species.

The last consistent collection of data relating to recreational fishing was the National Recreational and Indigenous Fishing (NRIF) Survey in 2000-01 (Henry and Lyle eds. 2003). Commonwealth and state agencies carried out the survey over the 12 months to May 2001. This study used telephone and diary survey methods to estimate the number of recreational fishers in each state and territory and the extent of their activities. Data collected included catch, fishing mode and location, fishing effort and expenditure data at the 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, it is not possible to present up-to-date national aggregations on catch and value, by species and state. Details of information collected by each state are summarised in table B. Queensland provides an online interactive database containing information on recreational species caught in Queensland (the Coastal Habitat Resources Information System or CHRIS).

B Available information on recreational fishing

New South Wales

www.dpi.nsw.gov.au

- NSW DPI requires charter boat operators to maintain comprehensive catch records.
- Recreational Fishing Survey started in March 2007 to run for two years, to study the Greater Sydney Region regarding local fishing interests

Victoria

www.dpi.vic.gov.au

- DPI Fishery Status Report 2008
- Victorian Recreational Fishing Guide 2007/08
- The Victorian Angler Diary Program has been running for more than 15 years.
- The Enhanced Recreational Fishing Program commenced in 2006

Queensland

www.dpi.qld.gov.au

- New recreational fishing rules introduced 1 March 2009 with new size and bag limits, gear and catch restrictions
- Recreational fishing surveys, telephone surveys were conducted in 1996, 1998, 2001 and 2008
- 2007-08 Recreational Fishing Boat Ramp Survey on stock status now completed, will be analysed over next year
- Valuation of recreational fishing to be released in 2009

Western Australia

www.fish.wa.gov.au

- State of the Fisheries Report 2006-07
- New recreational rules from January 2009 for high risk demersal finfish and rock lobsters – bag, size, boat and possession limits

South Australia

www.pir.sa.gov.au

- South Australian Recreational Fishing Guide
- 2007-08 Recreational Fishing Survey data collection complete, final survey report available mid-2009
- Recreational Fishing Committees gather and distribute information to benefit the community

Tasmania

www.dpiw.tas.gov.au

- New Recreational Fishing Rules for 2008-09, including temporary closures, bag and size limit changes

Northern Territory

www.fisheries.nt.gov.au

- Fishery Status Report 2006, $35 million spent each year on recreational fishing, introduction of licence fees for fishing tour operators in 2007-08
- The NT Government conducted broad-scale recreational fishing surveys in 1986, 1995 and 2000-01 as part of its wider fisheries research program
- Recreational Fishing Survey 2009-10 to collect data on recreational fishing catch, participation, effort and expenditure

National

- The National Recreational and Indigenous Fishing Survey commenced in May 2000
- The 2000-01 National Recreational Fishing Survey – Economic Report

Profile of Australian fisheries in 2008

Commonwealth

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	52 vessels
Torres Strait [a]	Torres Strait waters	Prawn, rock lobster, Spanish mackerel, pearl shell, trochus shell, and reef fish	Otter trawl, troll and dive	393 rock lobster 201 mackerel 99 pearl shell 53 prawn 73 sea cucumber 110 trochus 97 crab 239 line 180 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	Commonwealth waters off south Queensland, NSW, Victoria, Tasmania and SA	Mixed fish species particularly pink ling, blue eye trevalla, gummy shark	Demersal gillnet, demersal longline, dropline, trotline, trap and purse seine	134 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	5 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	58 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	167 permits

continued...

Commonwealth *continued*

fishery	main fishing area	species	method	number
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	97 permits
Bass Strait scallop	Commonwealth waters off SA, Victoria and Tasmania	Scallop	Dredge	152 boat SFRs
Small pelagics	Commonwealth waters from north of the NSW/ Queensland border along southern Australia to near Perth WA	Greenback, yellowtail and jack mackerel	Purse seine and midwater trawl	73 permits
Southern squid	Commonwealth waters off SA, Victoria, NSW, Tasmania and southern Queensland	Arrow or Gould's squid	Jig	57permits
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.	19 permits
South Tasman Rise	high seas adjacent to the AFZ south of Tasmania	Orange roughy, oreo dory	Deepwater demersal trawling	14 permits

a Number of Commercial Fishing Boat (TVH) licences held in each Torres Strait fishery.
Source: Australian Fisheries Management Authority.

New South Wales

fishery	species	method	number
Abalone	Blacklip abalone	Diving	45 licence holders
Rock lobster	Eastern rock lobster	Traps	112 licence holders
Ocean trawl prawn	Eastern king, school whiting and octopus	Trawling	261 licence holders
Ocean trap and line	Spanner crabs, snapper and bonito	Fish traps, dropline, longline, spanner crab nets	386 licence holders
Ocean haul	Sea mullet, blue mackerel and yellowtail	Purse seine and hauling (seine) nets	288 licence holders
Southern fish trawl	Tiger and sand flathead, silver trevally and fiddler ray	Trawling	23 licence holders
Estuary prawn trawl	School prawns and squid	Trawling	184 licence holders
Estuary general	Sea mullet, luderick, prawns and pippies	Mesh and haul, nets, hand gathering	624 licence holders
Inland	Yabbies, carp and mullet	Traps and gillnets	26 licence holders
Sea urchin and turban shell	Sea urchin and turban shell	Diving	37 licence holders
Aquaculture **a**	Prawns	Pond culturing	12 licence holders
	Yabbies	Ponds and farm dams	106 licence holders
	Oysters	Rack tray and stick	341 licence holders
	Silver perch	Pond	108 licence holders
	Trout	Ponds and raceway	28 licence holders
	Snapper	Ponds	14 licence holders

a An aquaculture licence holder may culture more than one species on their licence.
Sources: New South Wales Department of Primary Industries.

Victoria

fishery	species	method	number
Abalone	Greenlip, blacklip	Diving	81 licences
Scallops	Scallops	Dredging	91 licences
Bay and Inlet	Mixed species	Various	92 licences
Rock lobster	Southern rock lobster	Pots	132 licences and 7 296 pots
Giant crab	Giant crab	Pots	34 licences
Inshore trawl	Mixed species	Various	61 licences
Wrasse (ocean)	Wrasse	Hand lines	27 licences
Bait (general)	Mixed species	Various	19 licences
Ocean (general)	Mixed species	Various	266 licences
Aquaculture a	Abalone	Flow-through systems	14 licences
	Freshwater eel	Recirculation units and cultured waters	19 licences
	Mussels	Longlines	26 licences
	Ornamental fish	Recirculation units and ponds	9 licences
	Yabbies	Recirculation units, ponds and farm dams	28 licences
	Salomoids	Recirculation units and raceways	33 licences
	Warmwater finfish	Recirculation units, flow through systems and ponds	36 licences
	Other		2 licences

a An aquaculture licence holder may culture more than one species on their licence.
Sources: Victorian Department of Primary Industries.

Queensland

fishery	species	method	number
East coast trawl	Tiger, banana, red spot king, endeavour, eastern king, 'bay' prawns, scallops, 'bugs' and whiting	Otter trawl	441 licence holders
River and estuary trawl	Banana, 'bay' and tiger prawns	Bream	142 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	187 licence holders (north of Baffle Creek)
East coast net inshore (mainly subtropical)	Barramundi, king and blue threadfin, tropical shark, grey mackerel, mullet, tailor, bream, whiting	Seine and some set (gill) net	258 licence holders (south of Baffle Creek)
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	780 licence holders
Crab – oceanic	Spanner crabs		240 licence holders
Aquaculture a	Prawns	Pond culture	59 development approvals
	Barramundi	Pond and cage culture	129 development approvals
	Oysters	Rack and stick culture	112 development approvals
	Redclaw	Ponds	201 development approvals
	Freshwater fish	Ponds and tanks	165 development approvals
	Eels	Ponds and tanks	29 development approvals

a An aquaculture licence holder may culture more than one species on their licence.
Sources: Queensland Department of Primary Industries.

Western Australia

fishery	species	method	number
West coast rock lobster	Western rock lobster	Pots	458 boats and 55964 pots
Abalone	Greenlip, brownlip and Roe's abalone	Diving	28 licence holders
Shark Bay prawn	King, tiger and endeavour prawns, scallops	Trawling	27 licence holders
Exmouth prawn	King, tiger and endeavour prawns	Trawling	16 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 **a**	Pearls	Longlines	
	Yabbies	Ponds and farm dams	
	Marron	Ponds and farm dams	
	Mussels	Longlines	

a An aquaculture licence holder may culture more than one species on their licence.
Sources: Western Australian Fisheries.

South Australia

fishery	species	method	number
Blue crab	Blue crab	Pots	9 licence holders
Central zone abalone	Greenlip, blacklip abalone	Diving	6 licence holders
Gulf St Vincent prawn	Western king prawn	Trawling	10 licence holders
Lakes and Coorong	Freshwater finfish, marine finfish, molluscs	Netting, line fishing, handlines	36 licence holders
Marine scalefish	Various finfish, crustaceans, molluscs	Netting, line fishing, handlines and traps	341 licence holders
Miscellaneous	Various finfish, crustaceans, molluscs, worms	Traps, diving, etc	20 licence holders
Northern zone rock lobster	Southern rock lobster	Pots	68 licence holders
Restricted marine scalefish	Various finfish, crustaceans, molluscs	Netting, line fishing, handlines and traps	13 licence holders
River fishery	Freshwater finfish, crustaceans	Netting, pots	6 licence holders
Southern zone rock lobster	Southern rock lobster	Pots	181 licence holders
Southern zone abalone	Greenlip, blacklip abalone	Diving	6 licence holders
Spencer Gulf prawn	Western king prawn	Trawling	39 licence holders
West coast prawn	Western king prawn	Trawling	3 licence holders
Western zone abalone	Greenlip, blacklip abalone	Diving	23 licence holders
Aquaculture a	Yabbies	Ponds and farm dams	111 licences
	Marron	Ponds and farm dams	96 licences
	Oysters	Contained racks and longlines	581 licences
	Southern bluefin tuna	Sea cages	40 licences
	Barramundi	Ponds, dams and recirculation system	40 licences
	Murray cod	Ponds, dams and recirculation system	49 licences
	Abalone	Sea cages, contained longlines, contained benthic structures and uncontained benthic structures	66 licences
	Gold and silver perch	Ponds, dams and recirculation system	59 licences
	Scallops	Contained and uncontained longlines	112 licences
	Yellowtail king fish	Sea cages	31 licences

a An aquaculture licence holder may culture more than one species on their licence.
Sources: South Australian Research and Development Institute; Department of Primary Industries and Resources, South Australia.

Tasmania

fishery	species	method	number
Abalone	Blacklip and greenlip	Diving	121 licence holders
Rock lobster	Southern rock lobster	Pots	312 licence holders
Giant crab	Giant crab	Pots	86 licence holders
Scallop	Commercial		
	Doughboy		
	Queen	Dredging	75 licence holders
Scalefish	Various	Netting/hooks	340 licence holders
Aquaculture a	Atlantic salmon	Cage culture farming	43 licence holders
	Pacific oysters	Rack and stick	118 licence holders
	Mussels	Longlines	23 licence holders
	Rainbow trout	Sea cages	16 licence holders
	Scallops		10 licence holders
	Abalone	Sea cages and land-based tanks	15 licence holders

a An aquaculture licence holder may culture more than one species on their licence.
Sources: Tasmanian Department of Primary Industries and Water.

Northern Territory

fishery	species	method	number
Coastal	Finfish and bait	Line, net and trap	61 licence holders
Offshore	Mackerel, shark and reef	Trolling, hand and longline net, trap and trawling	107 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	29 licence holders
Aquaculture a		11 licence holders	
	Prawns	8 endorsements	
	Barramundi	8 endorsements	
	Others	29 endorsements	
	Pearls	7 licence holders	

a An aquaculture licence holder may culture more than one species on their licence.
Sources: Australian Fisheries Management Authority; Northern Territory Department of Primary Industry and Fisheries.

References

Australian Bureau of Statistics (ABS) 2007, *Working population profile, 2006 Census Community Profile Series*, cat. no. 2006.0, Canberra.

——2009, *Labour force*, Australia, detailed – electronic delivery, cat. no. 6291.0, Canberra.

Fisheries Research and Development Corporation (FRDC) 2004, *Annual Report 2003-04*, Canberra.

Henry, G and Lyle, J (eds) 2003, *The national recreational and indigenous fishing survey*, Australian Government Department of Agriculture Fisheries and Forestry, Canberra.

PIRSA Fisheries 2009, *South Australian Recreational Fishing Guide*, Department of Primary Industries and Resources, South Australia.

1 Gross value of fisheries production – Australia

	2005-06 $'000	2006-07 p $'000	2007-08 s $'000
State wild catch fisheries			
New South Wales	80 319	85 929	82 114
Victoria	77 502	75 388	67 750
Queensland	218 456	206 487	203 126
Western Australia	417 653	352 608	325 607
South Australia	192 674	218 684	205 967
Tasmania	170 165	183 679	156 700
Northern Territory	26 250	28 917	32 948
Total	1 183 018	1 151 692	1 074 212
Aquaculture a			
New South Wales	45 028	45 975	48 111
Victoria	21 004	19 902	18 475
Queensland	66 723	72 069	75 512
Western Australia	127 913	128 939	122 792
South Australia	210 482	207 815	262 128
Tasmania	245 196	306 390	318 766
Northern Territory	26 000	24 600	22 570
Total	742 346	805 690	868 355
Commonwealth fisheries			
Northern prawn	72 877	63 750	74 123
Torres Strait	27 844	24 659	21 099
SESS Commonwealth trawl sector	43 627	54 539	46 398
SESS Commonwealth gillnet and hook sectors	21 540	23 784	27 544
SESS Commonwealth GAB trawl sector	15 505	17 991	12 781
Eastern tuna and billfish – longline and minor line	28 704	32 601	31 960
Southern bluefin tuna	37 525	40 975	44 568
Bass Strait scallop	191	0	0
Western tuna and billfish fishery	2 749	2 200	1 656
Other fisheries b	27 492	33 692	28 326
Total	278 054	294 192	288 454
Total value c	2 166 438	2 210 760	2 186 849

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; New South Wales Department of Primary Industries; Northern Territory Department of Primary Industries, Fisheries and Mines; Queensland Department of Primary Industries and Fisheries; 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 Wildcatch fisheries production [a]

	2005-06		2006-07 p		2007-08 s	
	t	$'000	t	$'000	t	$'000
Fish						
Australian salmon	3 525	3 036	3 183	3 766	2 849	3 239
Australian sardine	31 408	18 523	32 952	20 819	33 578	19 497
Barramundi	1 579	12 529	1 466	11 644	1 545	12 530
Bream	1 123	6 558	1 257	7 263	1 269	7 579
Coral trout	1 091	34 654	1 065	33 789	1 123	35 991
Dories	907	3 034	656	2 824	829	2 866
Flathead	4 339	13 429	3 927	19 426	4 348	18 947
Gemfish	530	1 778	552	1 794	507	1 734
Ling	1 325	6 862	1 057	6 194	1 152	6 528
Mullet	5 713	12 626	5 606	13 249	5 535	13 278
Orange roughy	2 381	6 370	1 130	3 603	288	720
Sharks [b]	8 854	31 200	8 033	30 465	8 378	34 054
Spanish mackerel	1 400	8 891	1 421	9 141	1 264	8 078
Tuna	9 075	56 243	10 930	64 197	10 115	67 484
Whiting	4 345	18 435	4 166	21 058	3 577	20 821
Other	57 051	177 016	51 646	196 886	43 609	178 299
Total	134 648	411 186	129 046	446 117	119 963	431 644
Crustaceans						
Crabs	6 109	52 671	5 968	54 235	5 769	53 941
Prawns	20 046	255 040	17 490	222 232	19 342	223 339
Rock lobster	16 023	477 261	14 173	455 244	13 833	406 715
Other	485	2 950	150	2 579	630	11 909
Total	42 663	787 922	37 781	734 290	39 574	695 903
Molluscs						
Abalone	5 011	207 488	5 002	199 489	4 816	171 622
Octopus	466	3 157	477	3 096	440	2 539
Pipi	1 324	3 805	1 112	3 172	997	4 862
Scallops	9 038	23 288	10 651	29 329	10 280	32 730
Squid	2 445	7 232	3 487	10 901	1 780	7 304
Other	1 167	16 709	1 069	18 147	462	14 690
Total	19 449	261 678	21 797	264 132	18 774	233 748
Other NEI	70	255	140	1 345	87	1 370
Total wild caught	196 830	1 461 041	188 764	1 445 884	178 399	1 362 666

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

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

3 Fisheries production in 2005-06, by state – Australia [a]

	NSW	Vic.	Qld	WA	SA	Tas.	NT	C'wlth	Aust.
Value	$'000	$'000	$'000	$'000	$'000	$'000	$'000	$'000	$'000
Fish									
Tuna	0	0	0	101	155 795	0	17	56 125	175 089 **b**
Salmonids **c**	1 742	8 163	0	172	356	221 019	0	0	231 452
Other	48 039	14 118	98 736	44 544	34 187	3 769	20 860	118 927 **d**	383 180
Total	49 781	22 281	98 736	44 817	190 338	224 788	20 877	175 051	789 721
Crustaceans									
Prawns	18 254	330	124 950	38 983	36 909	0	0	85 342	304 768
Rock lobster	4 161	14 580	19 645	292 242	81 170	52 680	0	12 301	476 779
Crab	5 319	724	29 230	6 725	4 155	1 966	4 498	55	52 671
Other	1 153	286	1 300	2 520	539	0	280	1 606	7 684
Total	28 887	15 920	175 124	340 470	122 773	54 646	4 778	99 304	841 902
Molluscs									
Abalone	5 545	56 558	0	12 828	42 081	108 096	0	0	225 108
Scallops	0	1 062	6 312	9 312	0	6 374	0	198	23 257
Oysters	34 093	0	575	0	23 879	16 720	0	0	75 267
Squid	1 347	669	812	242	2 101	221	7	2 872	8 271
Other	4 168	2 015	0	137 378	4 392	4 431	588	564	153 535
Total	45 153	60 304	7 699	159 760	72 454	135 841	595	3 634	485 439
Other NEI	1 525	0	3 620	519	17 591	86	26 000	36	49 376
Total value	125 346	98 505	285 179	545 566	403 156	415 360	52 250	278 054 **e**	2 166 438 **b**
Quantity	t	t	t	t	t	t	t	t	t
Fish									
Tuna	0	0	0	18	8 806	0	12	9 045	12 692 **b**
Salmonids **c**	196	1 491	0	17	53	19 219	0	0	20 976
Other	13 681	3 112	13 847	15 397	32 459	905	4 984	44 123 **d**	128 507
Total	13 877	4 603	13 847	15 432	41 318	20 124	4 995	53 168	162 175
Crustaceans									
Prawns	1 426	25	9 844	3 433	2 070	0	0	6 789	23 587
Rock lobster	101	411	820	10 441	2 365	1 482	0	599	16 218
Crab	430	22	3 396	1 124	791	63	272	11	6 109
Other	76	25	105	138	31	0	31	145	550
Total	2 033	483	14 165	15 136	5 257	1 545	302	7 543	46 465
Molluscs									
Abalone	129	1 407	0	309	1 146	2 526	0	0	5 517
Scallops	0	747	1 730	2 797	0	3 566	0	177	9 017
Oysters	4 267	0	na	0	5 397	2 389	0	0	12 052
Squid	290	75	162	65	311	46	1	1 796	2 747
Other	583	992	0	1 025	1 998	1 125	60	80	5 863
Total	5 269	3 221	1 892	4 196	8 852	9 652	62	2 053	35 196
Other NEI	16	0	74	66	2 148	34	na	5	2 343
Total quantity	21 194	8 307	29 979	34 830	57 575	31 355	5 359	62 769 **e**	246 179 **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 salmon and trout production. **d** Includes the fish component of Commonwealth fisheries, plus catch from Commonwealth fisheries that cannot be disaggregated due to confidentiality reasons. **e** Totals include all fisheries under federal jurisdiction. **na** Not available.

Sources: ABARE; Australian Fisheries Management Authority; Fisheries Victoria, Department of Primary Industries; New South Wales Department of Primary Industries; Northern Territory Department of Primary Industries, Fisheries and Mines; Queensland Department of Primary Industries and Fisheries; 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 2006-07, by state – Australia ap

	NSW	Vic.	Qld	WA	SA	Tas.	NT	C'wlth	Aust.
Value	$'000	$'000	$'000	$'000	$'000	$'000	$'000	$'000	$'000
Fish									
Tuna	0	0	0	276	137 650	0	15	63 905	161 032 **b**
Salmonids **c**	1 668	6 955	0	105	291	281 710	0	0	290 729
Other	52 231	16 694	105 457	37 157	38 583	5 698	20 916	139 476 **d**	416 212
Total	53 899	23 649	105 457	37 538	176 525	287 408	20 931	203 382	867 974
Crustaceans									
Prawns	18 611	675	102 747	28 621	42 656	0	0	74 042	267 352
Rock lobster	5 199	15 599	8 202	246 839	96 745	59 771	0	10 442	442 797
Crab	5 170	748	27 872	7 340	5 834	1 548	5 654	70	54 235
Other	1 347	135	13 127	3 024	953	0	0	1 798	20 384
Total	30 327	17 157	151 947	285 824	146 188	61 319	5 654	86 351	784 767
Molluscs									
Abalone	4 984	50 276	0	11 067	38 684	111 966	0	0	216 977
Scallops	0	908	12 289	8 431	0	7 694	0	2	29 325
Oysters	36 446	0	535	0	37 841	16 266	0	0	91 088
Squid	980	791	550	223	2 734	2 211	2	3 801	11 292
Other	3 254	2 509	1 706	137 033	6 013	3 158	2 331	385	156 389
Total	45 664	54 484	15 080	156 754	85 272	141 295	2 333	4 189	505 070
Other NEI	2 014	0	6 072	1 431	18 514	46	24 600	271	52 948
Total value	131 904	95 290	278 556	481 547	426 499	490 069	53 517	294 192 **e**	2 210 760 **b**
Quantity	t	t	t	t	t	t	t	t	t
Fish									
Tuna	0	0	0	39	7 486	0	10	10 881	13 074 **b**
Salmonids **c**	217	1 361	0	11	38	23 975	0	0	25 603
Other	14 211	3 510	14 432	11 632	34 086	1 153	5 124	37 253 **d**	121 400
Total	14 428	4 871	14 432	11 682	41 610	25 128	5 134	48 133	160 077
Crustaceans									
Prawns	1 491	55	8 142	2 600	2 233	0	0	6 253	20 774
Rock lobster	110	395	220	8 667	2 385	1 522	0	249	13 548
Crab	412	23	3 209	1 207	720	48	342	8	5 968
Other	79	13	667	159	47	0	0	109	1 074
Total	2 092	486	12 238	12 633	5 385	1 570	342	6 618	41 364
Molluscs									
Abalone	122	1 342	0	285	1 079	2 642	0	0	5 470
Scallops	0	603	3 498	2 361	0	4 184	0	2	10 649
Oysters	4 330	0	na	0	7 720	2 324	0	0	14 374
Squid	160	63	110	58	297	848	na	2 041	3 577
Other	349	892	na	879	2 504	870	239	45	5 777
Total	4 961	2 900	3 608	3 583	11 600	10 868	239	2 088	39 847
Other NEI	69	0	134	81	1 953	24	na	15	2 277
Total quantity	21 550	8 257	30 412	27 979	60 548	37 591	5 714	56 855 **e**	243 565 **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 salmon and trout production. **d** Includes the fish component of Commonwealth fisheries, plus catch from Commonwealth fisheries that cannot be disaggregated due to confidentiality reasons. **e** Totals include all fisheries under federal jurisdiction. **p** Preliminary. **na** Not available.

Sources: ABARE; Australian Fisheries Management Authority; Fisheries Victoria, Department of Primary Industries; New South Wales Department of Primary Industries; Northern Territory Department of Primary Industries, Fisheries and Mines; Queensland Department of Primary Industries and Fisheries; 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 2007-08, by state – Australia [a]

	NSW	Vic.	Qld	WA	SA	Tas.	NT	C'wlth	Aust.
Value	$'000	$'000	$'000	$'000	$'000	$'000	$'000	$'000	$'000
Fish									
Tuna	0	0	0	233	186 742	0	19	67 232	210 055 **b**
Salmonids **c**	1 400	6 743	0	141	0	290 974	0	0	299 259
Other	47 150	16 330	112 788	37 885	56 232	3 641	26 093	124 374 **d**	424 493
Total	48 550	23 073	112 788	38 259	242 974	294 615	26 112	191 606	933 807
Crustaceans									
Prawns	22 261	239	98 499	26 983	35 874	0	0	83 685	267 541
Rock lobster	5 582	13 863	11 089	216 926	91 666	58 161	0	9 428	406 715
Crab	4 528	724	27 774	6 442	6 007	1 889	6 503	74	53 941
Other	818	130	10 489	2 773	785	2	0	1 532	16 529
Total	33 189	14 956	147 850	253 124	134 332	60 051	6 503	94 720	744 725
Molluscs									
Abalone	3 667	43 949	0	10 165	36 194	94 567	0	0	188 542
Scallops	0	1 881	10 371	17 824	0	2 600	0	55	32 730
Oysters	39 000	0	620	0	30 132	19 378	0	0	89 130
Squid	999	679	297	172	2 580	876	0	1 701	7 304
Other	2 965	1 687	1 292	127 586	7 118	3 313	333	360	144 653
Total	46 631	48 196	12 580	155 747	76 024	120 734	333	2 115	462 360
Other NEI	1 855	0	5 421	1 269	14 765	66	22 570	11	45 957
Total value	130 225	86 225	278 639	448 399	468 095	475 467	55 518	288 454 **e**	2 186 849 **b**
Quantity	t	t	t	t	t	t	t	t	t
Fish									
Tuna	0	0	0	33	9 757	0	10	10 072	14 651 **b**
Salmonids **c**	130	1 134	0	15	0	24 248	0	0	25 527
Other	12 203	3 814	14 099	10 502	35 646	1 138	5 523	32 815 **d**	115 740
Total	12 333	4 948	14 099	10 550	45 403	25 385	5 533	42 887	155 918
Crustaceans									
Prawns	1 810	34	7 829	2 572	2 316	0	0	7 868	22 430
Rock lobster	122	356	302	8 961	2 309	1 444	0	339	13 833
Crab	311	26	3 194	1 072	732	60	369	5	5 769
Other	47	21	523	130	40	na	0	101	862
Total	2 290	437	11 848	12 735	5 397	1 504	369	8 314	42 894
Molluscs									
Abalone	109	1 385	0	281	1 057	2 487	0	0	5 319
Scallops	0	907	2 952	4 951	0	1 461	0	9	10 280
Oysters	4 500	0	na	0	5 448	2 512	0	0	12 460
Squid	185	67	59	46	303	154	0	965	1 780
Other	309	573	na	711	2 453	923	35	48	5 051
Total	5 103	2 932	3 011	5 989	9 260	7 537	35	1 023	34 890
Other NEI	68	0	120	27	1 727	34	na	4	1 980
Total quantity	19 794	8 317	29 079	29 301	61 788	34 460	5 937	52 227 **e**	235 681 **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 salmon and trout production. **d** Includes the fish component of Commonwealth fisheries, plus catch from Commonwealth fisheries that cannot be disaggregated due to confidentiality reasons. **e** Totals include all fisheries under federal jurisdiction. **s** Estimate. **na** Not available.

Sources: ABARE; Australian Fisheries Management Authority; Fisheries Victoria, Department of Primary Industries; New South Wales Department of Primary Industries; Northern Territory Department of Primary Industries, Fisheries and Mines; Queensland Department of Primary Industries and Fisheries; 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 2007-08, 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	6 646	48	14 968	699	187 674	1	19	0	210 055
Salmonids	1 400	6 743	0	141	0	290 974	0	0	299 259
Other	58 797	58 238	123 909	39 543	76 415	15 402	26 106	26 083	424 493
Total	66 843	65 029	138 877	40 383	264 088	306 377	26 126	26 083	933 807
Crustaceans									
Prawns	22 497	239	142 859	29 359	35 874	0	36 698	15	267 541
Rock lobster	5 582	13 863	20 517	216 926	91 666	58 161	0	0	406 715
Crab	4 552	751	27 776	6 442	6 009	1 909	6 503	0	53 941
Other	850	192	10 933	2 773	809	2	562	408	16 529
Total	33 481	15 045	202 085	255 500	134 358	60 071	43 763	423	744 725
Molluscs									
Abalone	3 667	43 949	0	10 165	36 194	94 567	0	0	188 542
Scallops	0	1 881	10 374	17 824	0	2 600	52	0	32 730
Oysters	39 000	0	620	0	30 132	19 378	0	0	89 130
Squid	1 369	1 329	328	175	2 901	941	17	245	7 304
Other	3 073	1 842	1 293	127 586	7 118	3 406	334	1	144 653
Total	47 109	49 001	12 615	155 750	76 345	120 892	402	246	462 360
Other NEI	1 856	0	5 420	1 269	14 765	66	22 570	10	45 957
Total value	149 289	129 075	358 998	452 903	489 557	487 406	92 861	26 762	2 186 849 [c]
Quantity	t	t	t	t	t	t	t	t	t
Fish									
Tuna	1 060	9	2 869	99	10 604	0	10	0	14 651
Salmonids	130	1 134	0	15	0	24 248	0	0	25 527
Other	16 000	15 412	16 522	10 877	40 545	3 938	5 526	6 919	115 740
Total	17 190	16 555	19 391	10 991	51 149	28 187	5 536	6 919	155 918
Crustaceans									
Prawns	1 910	34	12 520	2 830	2 316	0	2 815	5	22 430
Rock lobster	122	356	641	8 961	2 309	1 444	0	0	13 833
Crab	313	28	3 194	1 072	732	61	369	0	5 769
Other	49	31	550	130	41	na	37	24	862
Total	2 393	449	16 905	12 993	5 398	1 506	3 222	29	42 894
Molluscs									
Abalone	109	1 385	0	281	1 057	2 487	0	0	5 319
Scallops	0	907	2 953	4 951	0	1 461	8	0	10 280
Oysters	4 500	0	na	0	5 448	2 512	0	0	12 460
Squid	395	465	68	48	422	189	5	188	1 780
Other	324	594	na	711	2 453	934	35	na	5 051
Total	5 328	3 351	3 021	5 991	9 380	7 584	48	188	34 890
Other NEI	69	0	120	27	1 727	34	na	3	1 980
Total quantity	24 980	20 354	39 436	30 001	67 655	37 310	8 806	7 139	235 681 [c]

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, small pelogics mackerel, Macquarie Island, Heard and McDonald Islands, Coral Sea, Cocos and Christmas Islands fisheries. **c** Totals include confidential Commonwealth landings and only sum across. **s** Estimates. **na** Not available.

Sources: ABARE; Australian Fisheries Management Authority; Fisheries Victoria, Department of Primary Industries; New South Wales Department of Primary Industries; Northern Territory Department of Primary Industries, Fisheries and Mines; Queensland Department of Primary Industries and Fisheries; 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

	2005-06		2006-07 p		2007-08 s	
	t	$'000	t	$'000	t	$'000
Crustaceans						
Rock lobster	101	4 161	110	5 199	122	5 582
King prawns	516	9 944	534	10 287	688	13 206
School prawns	571	4 116	692	5 319	844	5 137
Other prawns	98	807	66	425	78	1 218
Crabs	430	5 319	412	5 170	311	4 528
Other	57	938	58	1 090	25	537
Total **a**	1 773	25 285	1 872	27 490	2 068	30 208
Molluscs						
Abalone	129	5 545	122	4 984	109	3 667
Cuttlefish	167	533	90	391	97	348
Pipi	299	2 155	118	1 231	70	1 080
Octopus	199	1 667	154	1 555	150	1 256
Squid	123	814	70	589	88	651
Other	51	139	40	271	68	502
Total **a**	968	10 853	594	9 021	582	7 504
Fish						
Sea mullet	3 378	6 861	3 548	8 064	3 185	7 368
Silver trevally	341	881	265	863	129	653
Yellowtail kingfish	141	1 088	158	1 316	117	1 020
Jack mackerel	37	32	33	37	7	7
Black and yellowfin bream	382	3 382	477	4 073	308	3 167
Australian salmon	659	865	1 067	1 649	1 231	1 841
Snapper	236	2 239	238	2 502	294	2 993
Rubberlip morwong	58	203	40	172	40	182
Mulloway	58	412	46	404	45	422
Sand whiting	189	2 146	152	1 947	152	1 949
Luderick	372	527	435	614	354	635
School whiting	1 402	2 857	1 296	3 665	1 120	3 431
Dusky flathead	138	819	152	1 091	171	1 180
Golden perch	0	0	0	0	0	0
Other	5 834	20 999	5 958	22 234	4 739	18 734
Total **a**	13 225	43 311	13 865	48 631	11 892	43 582
Other NEI	16	870	19	787	23	820
Total wild caught	15 982	80 319	16 350	85 929	14 565	82 114
Aquaculture b						
Prawns	241	3 387	199	2 580	200	2 700
Yabbies	19	214	21	257	22	281
Oysters	4 267	34 093	4 330	36 446	4 500	39 000
Silver perch	301	2 770	232	2 393	200	2 250
Trout	196	1 742	217	1 668	130	1 400
Mussels	34	207	37	197	21	127
Barramundi	104	1 238	114	1 207	111	1 318
Snapper	0	0	0	0	0	0
Ornamentals	na	429	na	378	na	390
Other	52	948	50	849	45	645
Total	5 212	45 028	5 200	45 975	5 229	48 111
Total production	21 194	125 346	21 550	131 904	19 794	130 225

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

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

8 Fisheries production – Victoria

	2005-06		2006-07 p		2007-08 s	
	t	$'000	t	$'000	t	$'000
Crustaceans						
Rock lobster	411	14 580	395	15 599	356	13 863
Prawns	25	330	55	675	34	239
Crabs	22	724	23	748	26	724
Other	20	206	11	109	20	120
Total	478	15 840	484	17 131	436	14 946
Molluscs						
Abalone	1 246	50 925	1 221	45 932	1 219	37 983
Scallops	747	1 062	603	908	907	1 881
Squid **a**	75	669	63	791	67	679
Octopus	17	86	21	128	24	145
Other	42	64	47	73	28	84
Total	2 127	52 806	1 955	47 832	2 245	40 772
Fish						
Australian sardine	742	653	724	616	1 589	1 414
Bream	43	435	58	628	154	1 330
Sea garfish	72	426	81	599	72	510
Shark **b**	61	383	63	389	57	372
Snapper	92	651	108	810	113	804
Eels	80	877	70	667	84	956
Australian salmon	643	937	907	1 400	436	607
King george whiting	133	1 689	166	2 191	215	3 027
Other	1 004	2 805	1 080	3 125	989	3 012
Total	2 870	8 856	3 257	10 425	3 709	12 032
Total wild caught	5 475	77 502	5 696	75 388	6 390	67 750
Aquaculture c						
Mussels	933	1 865	824	2 308	521	1 458
Yabbies	5	80	2	26	1	10
Salmonids **d**	1 491	8 163	1 361	6 955	1 134	6 743
Eels **e**	83	1 155	141	2 138	na	na
Ornamental fish	na	2 478	na	2 530	na	2 738
Warmwater finfish **f**	159	1 629	112	1 601	105	1 560
Abalone	161	5 633	121	4 344	166	5 966
Total	2 831	21 004	2 561	19 902	1 927	18 475
Total production	8 307	98 505	8 257	95 290	8 317	86 225

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 and trout production. **e** Eel production data are obtained from Victorian catch and effort monthly record, and may not be complete. **f** Includes Australian bass, barramundi, catfish, golden perch, murray cod and sliver perch. **p** Preliminary. **s** Estimates. **na** Not available.
Sources: ABARE; Fisheries Victoria, Department of Primary Industries.

9 Fisheries production – Queensland

	2005-06		2006-07 p		2007-08 s	
	t	$'000	t	$'000	t	$'000
Crustaceans						
Prawns						
Banana	388	3 172	410	3 356	573	4 689
Endeavour	976	7 020	643	4 624	482	3 469
King	2 856	36 551	2 478	31 720	2 742	35 097
Tiger	1 912	29 246	1 199	18 337	732	11 193
Other	414	2 621	327	2 171	413	2 547
Total	6 544	78 610	5 057	60 207	4 941	56 996
Crabs	3 396	29 230	3 209	27 872	3 194	27 774
Lobster (mainly bugs)	820	19 645	787	19 879	758	20 481
Total	10 760	127 484	9 053	107 957	8 893	105 250
Molluscs						
Scallops	1 730	6 312	3 498	12 289	2 952	10 371
Squid	162	812	110	550	59	297
Total	1 892	7 124	3 608	12 839	3 011	10 668
Fish						
Snapper	228	1 856	186	1 513	155	1 257
Tropical snapper	439	2 680	842	5 361	891	5 630
Barramundi	943	8 647	877	8 047	901	8 265
Bream (including tarwhine)	208	1 664	185	1 482	256	2 050
Mullet	1 888	4 720	1 589	3 973	1 799	4 498
Tailor	117	499	82	351	101	431
Whiting	1 482	4 998	1 355	5 313	1 001	4 980
Coral trout	1 034	33 804	997	32 571	1 085	35 465
Red throat emperor	218	1 471	328	2 210	326	2 198
Blue threadfin	201	803	239	956	220	880
King threadfin	410	1 783	413	1 795	434	1 886
Shark	1 543	4 629	1 602	4 807	1 144	3 432
Spotted mackerel	82	574	59	415	25	175
Spanish mackerel	481	3 366	498	3 488	480	3 360
Grey mackerel	714	3 962	907	5 035	904	5 018
Other species	2 011	8 393	2 041	8 375	1 777	7 683
Total	11 999	83 848	12 201	85 691	11 500	87 208
Total wild caught	24 652	218 456	24 862	206 487	23 405	203 126
Aquaculture a						
Prawns	3 300	46 340	3 085	42 540	2 888	41 503
Barramundi	1 745	14 030	2 090	18 520	2 464	24 307
Oysters	na	575	na	535	na	620
Pearls	0	0	na	1 706	na	1 292
Murray cod	0	0	0	0	na	na
Silver perch	61	512	90	792	76	700
Jade perch	42	346	51	454	59	573
Redclaw	105	1 300	100	1 450	67	1 097
Other b	74	3 620	134	6 072	120	5 420
Total	5 327	66 723	5 550	72 069	5 674	75 512
Total production	29 979	285 179	30 412	278 556	29 079	278 639

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

10 Fisheries production – Western Australia

	2005-06		2006-07 p		2007-08 s	
	t	$'000	t	$'000	t	$'000
Crustaceans						
Rock lobster	10 441	292 242	8 667	246 839	8 961	216 926
Prawns	3 433	38 983	2 600	28 621	2 572	26 983
Crabs	1 124	6 725	1 207	7 340	1 072	6 442
Other	18	180	12	122	10	101
Total	15 016	338 130	12 486	282 922	12 615	250 452
Molluscs						
Abalone	309	12 828	285	11 067	281	10 165
Scallops	2 797	9 312	2 361	8 431	4 951	17 824
Squid	65	242	58	223	46	172
Other **a**	260	13 219	257	13 221	215	13 103
Total	3 431	35 601	2 961	32 942	5 493	41 264
Fish						
Tuna	18	101	39	276	33	233
Shark	1 853	5 092	1 475	4 135	1 598	4 721
Sharkfin	na	1 199	na	897	na	1 000
Australian salmon	2 043	879	1 047	451	684	293
Cobbler	143	538	148	583	207	761
WA dhufish	212	2 878	165	2 242	120	1 631
Spanish mackerel	281	1 704	297	1 798	320	1 934
Sea mullet	202	444	224	494	246	540
Yelloweye mullet	39	58	39	58	33	49
Australian sardine	2 038	1 833	1 873	1 686	1 771	1 594
Australian herring	353	141	230	92	283	112
Whiting	185	881	145	716	145	725
Breams	123	538	134	568	121	527
Emperors	1 024	3 670	803	2 839	562	2 050
Pink snapper	693	3 428	586	2 904	492	2 435
Rockcods	459	2 265	426	2 018	327	1 512
Tropical snappers	2 066	10 932	1 739	9 400	1 628	9 017
Other	3 642	7 142	2 232	5 346	1 583	4 675
Total	15 374	43 723	11 602	36 503	10 153	33 809
Other NEI b	66	199	81	241	27	82
Total wild caught	33 887	417 653	27 130	352 608	28 288	325 607
Aquaculture c						
Pearls	na	122 000	na	122 000	na	113 000
Yabbies	66	985	82	1 305	61	1 060
Marron	54	1 355	65	1 597	59	1 612
Mussels	765	2 159	622	1 812	496	1 483
Fish	58	610	80	895	397	4 244
Gold fish / koi carp	na	271	na	140	na	206
Ornamental	na	213	na	310	na	190
Other **d**	na	320	na	880	na	997
Total	943	127 913	849	128 939	1 013	122 792
Total production	34 830	545 566	27 979	481 547	29 301	448 399

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

	2005-06		2006-07 p		2007-08 s	
	t	$'000	t	$'000	t	$'000
Crustaceans						
Prawns	2 070	36 909	2 233	42 656	2 316	35 874
Rock lobster	2 365	81 170	2 385	96 745	2 309	91 666
Crab	791	4 155	720	5 834	732	6 007
Other	19	221	18	231	18	226
Total	5 245	122 455	5 356	145 466	5 375	133 773
Molluscs						
Abalone	896	33 859	883	31 529	890	31 043
Pipi	1 025	1 650	994	1 941	607	2 044
Squid	311	2 101	297	2 734	303	2 580
Other	504	1 805	478	2 158	477	2 483
Total	2 736	39 415	2 652	38 362	2 277	38 150
Fish a						
Australian salmon	180	354	161	260	111	188
Mullet	164	414	177	513	245	714
Australian herring	126	318	105	333	122	394
Snapper	529	3 252	644	4 134	741	5 111
King george whiting	336	3 944	361	4 857	329	4 704
Garfish	369	2 104	293	1 818	290	2 058
Leatherjackets	168	228	68	103	45	76
Australian sardine	28 626	16 031	30 355	18 517	29 692	16 331
Yellowfin whiting	130	848	85	681	82	707
Snook	61	171	64	226	82	266
Golden perch	123	1 222	152	1 411	117	1 263
Other species	1 247	1 918	1 236	2 003	1 296	2 232
Total	32 059	30 804	33 701	34 856	33 152	34 044
Total wild caught	40 040	192 674	41 709	218 684	40 804	205 967
Aquaculture b						
Yabbies	2	36	5	89	na	na
Marron **c**	10	282	24	633	22	559
Oysters	5 397	23 879	7 720	37 841	5 448	30 132
Southern bluefin tuna **d**	8 806	155 795	7 486	137 650	9 757	186 742
Barramundi **e**	400	3 370	385	3 727	421	4 513
Trout	53	356	38	291	na	na
Abalone	250	8 222	196	7 155	167	5 151
Mussels	469	950	1 032	1 914	1 369	2 591
Other **g**	2 148	17 591	1 953	18 514	3 801	32 439
Total	17 535	210 482	18 839	207 815	20 984	262 128
Total production	57 575	403 156	60 548	426 499	61 788	468 095

a Excludes shark from the southern shark fishery. **b** Excludes hatchery production. Data from 2004-05 from Primary Industries and Resources South Australia. **c** Includes yabbies for confidentiality purposes for 2007-08. **d** Processed weight. Input of wildcaught southern bluefin tuna from Commonwealth southern bluefin tuna fishery was 5189 tonnes in 2005-06, 5342 tonnes in 2006-07 and 5221 tonnes in 2007-08. **e** Includes trout for confidentiality purposes for 2007-08. **g** Includes snapper, microalgae, murray cod, yellowtail kingfish, golden perch and aquarium fish. **p** Preliminary. **s** Estimates. **na** Not available.

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

12 Fisheries production – Tasmania

	2005-06		2006-07 p		2007-08 s	
	t	$'000	t	$'000	t	$'000
Crustaceans						
Rock lobster	1 482	52 680	1 522	59 771	1 444	58 161
Giant crab	63	1 966	48	1 548	60	1 889
Other	0	0	0	0	na	2
Total	1 545	54 646	1 570	61 319	1 504	60 051
Molluscs						
Abalone	2 431	104 344	2 491	105 977	2 317	88 764
Octopus	98	518	119	359	110	234
Scallop	3 566	6 374	4 184	7 694	1 461	2 600
Other	85	429	906	2 585	221	1 343
Total	6 180	111 664	7 700	116 615	4 108	92 942
Fish a						
Australian salmon	300	468	219	471	104	198
Cod	2	5	4	9	6	22
Garfish	89	498	83	562	49	473
Banded morwong	56	552	55	622	7	118
Jackass morwong	11	23	15	30	5	14
Elephantfish	6	13	10	23	2	5
Bastard trumpeter	23	116	31	132	21	93
Striped trumpeter	20	185	27	190	16	179
School whiting	28	66	91	257	60	181
Wrasse	92	900	177	1 948	104	1 138
Shark	25	131	35	218	24	167
Other	252	814	405	1 236	739	1 054
Total	905	3 769	1 153	5 698	1 138	3 641
Other NEI	34	86	24	46	34	66
Total wild caught	8 665	170 165	10 448	183 679	6 784	156 700
Aquaculture b						
Salmonids c	19 219	221 019	23 975	281 710	24 248	290 974
Oysters	2 389	16 720	2 324	16 266	2 512	19 378
Mussels	988	3 705	693	2 425	746	2 611
Abalone	95	3 753	152	5 990	171	5 803
Total	22 691	245 196	27 143	306 390	27 676	318 766
Total production	31 355	415 360	37 591	490 069	34 460	475 467

a Excludes shark from the Commonwealth southern shark fishery. **b** Excludes hatchery production. **c** Includes salmon and trout production, weight in HOGG (head on, gilled and gutted). **p** Preliminary. **s** Estimates. **na** Not available.
Sources: ABARE; Tasmanian Department of Primary Industries and Water.

13 Fisheries production – Northern Territory

	2005-06		2006-07 p		2007-08 s	
	t	$'000	t	$'000	t	$'000
Crustaceans						
Crab	272	4 498	342	5 654	369	6 503
Other	31	280	0	0	0	0
Total	302	4 778	342	5 654	369	6 503
Molluscs						
Scallops	0	0	0	0	0	0
Squid	1	7	na	2	0	0
Other	60	588	239	2 331	35	333
Total	62	595	239	2 333	35	333
Fish						
Tuna	12	17	10	15	10	19
Shark	857	2 184	870	1 897	924	1 416
Snapper	290	1 044	325	1 171	405	1 763
Barramundi	634	3 871	588	3 598	644	4 265
Threadfin salmon	349	884	406	1 024	341	1 131
Jewfish (mulloway)	248	636	240	641	222	501
Emperor	75	404	90	451	103	591
Cod	41	150	51	188	41	227
Mackerel	916	4 505	849	4 282	613	3 302
Goldband snapper	623	3 885	626	3 909	1 128	8 135
Sea perch	744	2 771	843	3 139	9	36
Other	206	524	236	615	1 093	4 727
Total	4 995	20 877	5 134	20 931	5 533	26 112
Total wild caught	5 359	26 250	5 714	28 917	5 937	32 948
Aquaculture a	na	26 000	na	24 600	na	22 570
Total production	5 359	52 250	5 714	53 517	5 937	55 518

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

	2005-06		2006-07 p		2007-08 s	
	t	$'000	t	$'000	t	$'000
Northern prawn						
Prawn						
Tiger	1 749	35 661	1 834	33 302	1 235	22 882
Banana	3 247	32 799	2 674	24 762	5 344	48 328
Endeavour	281	3 251	355	3 828	201	1 882
King	19	249	28	363	20	246
Other prawns	8	90	1	15	1	13
Total prawns	5 305	72 050	4 893	62 271	6 800	73 352
Other species	95	826	239	1 480	67	771
Total	5 400	72 877	5 131	63 750	6 867	74 123
Torres Strait						
Prawn						
Tiger	567	7 226	591	7 287	469	6 559
Endeavour	694	5 206	530	3 315	418	2 719
King	47	534	48	677	44	507
Other prawns	8	88	11	82	32	299
Other **a**	26	187	28	313	25	362
Total	1 342	13 241	1 208	11 674	989	10 445
Tropical rock lobster	597	12 258	454	10 423	339	9 428
Spanish mackerel						
Spanish mackerel	208	1 401	161	1 227	109	674
Other species	9	45	3	12	2	2
Total	216	1 447	164	1 239	111	676
Reef Line **b**	67	898	83	1 323	39	550
Pearls	0	0	0	0	0	0
Total	2 223	27 844	1 908	24 659	1 478	21 099
SESS Commonwealth trawl sector c						
Orange roughy	2 218	5 768	906	2 891	239	597
Blue grenadier	4 230	7 167	3 756	13 896	3 505	10 725
Tiger flathead	2 563	5 971	2 628	12 245	3 000	12 181
Redfish	489	880	218	563	224	527
Blue warehou	397	723	290	683	203	573
Silver warehou	2 586	3 362	2 408	4 383	1 774	3 016
School whiting	370	802	367	980	389	906
Jackass morwong	770	1 432	629	1 637	645	1 470
Ling	741	3 991	645	3 782	761	4 268
Gemfish	253	737	194	629	170	581
Silver trevally	90	190	74	225	94	316
Mirror dory	489	1 217	298	1 005	441	1 115
Royal red prawn	167	266	175	373	98	234
Ocean perch	223	459	156	551	194	486
John dory	100	815	64	471	98	572
Blue eye trevalla	55	385	60	450	40	298
Gummy shark	89	452	81	465	122	688
School shark	19	95	17	108	17	80
Saw shark	154	380	133	340	150	349
Elephant fish	65	76	36	42	44	68
Other	3 869	8 459	3 194	8 820	3 002	7 347
Total	19 937	43 627	16 328	54 539	15 211	46 398

Continued

14 Fisheries production – Commonwealth *continued*

	2005-06		2006-07 p		2007-08 s	
	t	$'000	t	$'000	t	$'000
SESS Commonwealth gillnet and hook sectors d						
Blue eye trevalla	484	2 948	614	4 629	384	2 978
Blue warehou	1	2	1	3	1	3
Ling	541	2 701	381	2 234	375	2 177
Gummy shark	2 179	11 613	2 191	12 622	2 649	16 901
School shark	308	1 541	256	1 635	380	2 229
Saw shark	264	542	199	509	197	460
Elephant fish	71	82	70	82	82	125
Other shark	232	439	197	403	171	319
Other species	423	1 673	340	1 667	545	2 352
Total	4 502	21 540	4 250	23 784	4 785	27 544
SESS Commonwealth GAB trawl sector c						
Orange roughy	150	570	223	711	49	122
Deepwater flathead	1 546	6 260	1 040	5 552	1 035	4 977
Bight redfish	790	1 974	1 024	4 608	808	2 755
Leather jacket	463	755	324	784	219	312
Angel shark	336	508	278	461	221	293
Boarfish	193	503	140	467	86	298
Jackass morwong	134	180	125	326	126	288
Squid	243	404	178	487	108	290
Knifejaw	102	67	65	59	58	88
Gemfish	252	971	320	1 039	311	1 065
Blue grenadier	224	688	101	375	54	165
Queen snapper	70	186	66	232	46	116
Silver warehou	44	58	63	114	16	28
School shark	2	9	3	16	2	9
Gummy shark	88	421	82	474	77	411
Saw shark	81	246	54	137	37	86
Elephant fish	4	6	3	4	2	4
Other	684	1 700	625	2 145	457	1 476
Total	5 406	15 505	4 714	17 991	3 713	12 781

Continued

14 Fisheries production – Commonwealth *continued*

	2005-06		2006-07 p		2007-08 s	
	t	$'000	t	$'000	t	$'000
Eastern tuna and billfish – longline and minor line						
Yellowfin	1 385	10 262	1 800	11 358	1 267	7 600
Skipjack	13	13	68	62	9	9
Albacore	1 299	2 468	2 814	5 910	1 386	2 772
Bigeye	516	4 483	642	4 867	1 254	10 875
Billfish	1 911	10 209	1 633	9 017	1 614	9 013
Other	635	1 269	737	1 388	922	1 691
Total	5 758	28 704	7 695	32 601	6 452	31 960
Southern bluefin tuna	5 220	37 525	5 350	40 975	5 239	44 568
Western tuna and billfish f						
Albacore	7	13	11	23	10	20
Skipjack	0	0	0	0	0	0
Yellowfin	43	317	33	184	13	81
Bigeye	56	486	69	439	42	365
Other tuna	15	44	0	0	0	0
Billfish	334	1 859	304	1 517	220	1 168
Other species	25	30	15	37	20	22
Total	480	2 749	432	2 200	305	1 656
Bass Strait scallop	171	191	0	0	0	0
Other fisheries e	13 672	27 492	11 045	33 692	8 176	28 326
Total production	62 769	278 054	56 855	294 192	52 227	288 454

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 MacDonald Islands, SESS East coast deepwater trawl sector, and Norfolk Island fisheries. **f** Quantity and value by species in 2005-06 and 2006-07 are confidential. **p** Preliminary. **s** Estimates.
Sources: Australian Fisheries Management Authority; ABARE.

15 Aquaculture production in 2005-06, by state – Australia [a]

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust.
Value	$'000	$'000	$'000	$'000	$'000	$'000	$'000	$'000
Fish								
Salmonids [b]	1 742	8 163	0	172	356	221 019	na	231 452
Tuna	0	0	0	0	155 795	0	na	155 795
Silver perch	2 770	0	512	259	0	0	na	3 541
Barramundi	1 238	0	14 030	163	3 370	0	na	18 801
Other [c]	0	5 262	346	287	0	0	na	5 895
Total	5 750	13 425	14 888	881	159 521	221 019	na	415 484
Crustaceans								
Prawn	3 387	0	46 340	0	0	0	na	49 727
Yabbies	214	80	0	985	36	0	na	1 314
Marron	0	0	0	1 355	282	0	na	1 637
Redclaw	2	0	1 300	0	0	0	na	1 302
Total	3 602	80	47 640	2 340	318	0	na	53 980
Molluscs								
Edible oysters	34 093	0	575	0	23 879	16 720	na	75 267
Pearl oysters [d]	0	0	0	122 000	0	0	na	122 000
Mussels	207	1 865	0	2 159	950	3 705	na	8 886
Other [e]	0	5 633	0	0	8 222	3 753	na	17 608
Total	34 300	7 499	575	124 159	33 052	24 177	na	223 761
Other NEI [f]	1 377	0	3 620	533	17 591	0	26 000	49 121
Total value	45 028	21 004	66 723	127 913	210 482	245 196	26 000	742 346
Quantity	t	t	t	t	t	t	t	t
Fish								
Salmonids [b]	196	1 491	0	17	53	19 219	na	20 976
Tuna	0	0	0	0	8 806	0	na	8 806
Silver perch	301	0	61	21	0	0	na	383
Barramundi	104	0	1 745	19	400	0	na	2 268
Other [c]	0	242	42	1	0	0	na	285
Total	600	1 733	1 848	58	9 259	19 219	na	32 717
Crustaceans								
Prawn	241	0	3 300	0	0	0	na	3 541
Yabbies	19	5	0	66	2	0	na	91
Marron	0	0	0	54	10	0	na	64
Redclaw	na	0	105	0	0	0	na	105
Total	260	5	3 405	120	12	0	na	3 802
Molluscs								
Edible oysters	4 267	0	na	0	5 397	2 389	na	12 052
Pearl oysters	0	0	0	na	0	0	na	na
Mussels	34	933	0	765	469	988	na	3 189
Other [e]	0	161	0	0	250	95	na	506
Total	4 301	1 094	na	765	6 116	3 472	na	15 747
Other NEI [f]	52	0	74	na	2 148	0	na	2 273
Total quantity	5 212	2 831	5 327	943	17 535	22 691	na	54 539

a Excludes hatchery production, crocodiles, microalgae and aquarium worms. **b** Includes salmon and trout 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. Total only sums across. **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 2006-07, by state – Australia ap

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust.
Value	$'000	$'000	$'000	$'000	$'000	$'000	$'000	$'000
Fish								
Salmonids b	1 668	6 955 b	0	105	291	281 710	na	290 729
Tuna	0	0	0	0	137 650	0	na	137 650
Silver perch	2 393	0	792	321	0	0	na	3 506
Barramundi	1 207	0	18 520	467	3 727	0	na	23 922
Other c	0	6 269	454	142	0	0	na	6 865
Total	5 268	13 224	19 766	1 035	141 669	281 710	na	462 671
Crustaceans								
Prawn	2 580	0	42 540	0	0	0	na	45 120
Yabbies	257	26	0	1 305	89	0	na	1 677
Marron	0	0	0	1 597	633	0	na	2 230
Redclaw	0	0	1 450	0	0	0	na	1 450
Total	2 837	26	43 990	2 902	722	0	na	50 477
Molluscs								
Edible oysters	36 446	0	535	0	37 841	16 266	na	91 088
Pearl oysters d	0	0	1 706	122 000	0	0	na	123 706
Mussels	197	2 308	0	1 812	1 914	2 425	na	8 655
Other e	0	4 344	0	0	7 155	5 990	na	17 489
Total	36 643	6 652	2 241	123 812	46 910	24 680	na	240 938
Other NEI f	1 227	0	6 072	1 190	18 514	0	24 600	51 603
Total value	45 975	19 902	72 069	128 939	207 815	306 390	24 600	805 690
Quantity	t	t	t	t	t	t	t	t
Fish								
Salmonids b	217	1 361 b	0	11	38	23 975	na	25 603
Tuna	0	0	0	0	7 486	0	na	7 486
Silver perch	232	0	90	26	0	0	na	348
Barramundi	114	0	2 090	43	385	0	na	2 632
Other c	0	253	51	na	0	0	na	304
Total	563	1 614	2 231	80	7 909	23 975	na	36 373
Crustaceans								
Prawn	199	0	3 085	0	0	0	na	3 284
Yabbies	21	2	0	82	5	0	na	110
Marron	0	0	0	65	24	0	na	89
Redclaw	0	0	100	0	0	0	na	100
Total	220	2	3 185	147	29	0	na	3 583
Molluscs								
Edible oysters	4 330	0	na	0	7 720	2 324	na	14 374
Pearl oysters	0	0	na	na	0	0	na	na
Mussels	37	824	0	622	1 032	693	na	3 208
Other e	0	121	0	0	196	152	na	468
Total	4 367	945	na	622	8 948	3 168	na	18 050
Other NEI f	50	0	134	na	1 953	0	na	2 137
Total quantity	5 200	2 561	5 550	849	18 839	27 143	na	60 142

a Excludes hatchery production, crocodiles, microalgae and aquarium worms. **b** Includes salmonand trout 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. Total only sums across. **p** preliminary. **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 2007-08, by state – Australia [a]

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust.
Value	$'000	$'000	$'000	$'000	$'000	$'000	$'000	$'000
Fish								
Salmonids [b]	1 400	6 743	0	141	0	290 974 [s]	na	299 259
Tuna	0	0	0	0	186 742	0	na	186 742
Silver perch	2 250	0	700	245	0	0	na	3 195
Barramundi [c]	1 318	0	24 307	3 841	4 513	0	na	33 980
Other [d]	390	4 298	573	222	17 674	0	na	23 157
Total	5 358	11 041	25 580	4 450	208 930	290 974	na	546 333
Crustaceans								
Prawn	2 700	0	41 503	0	0	0	na	44 203
Yabbies	281	10	0	1 060	0	0	na	1 351
Marron [e]	0	0	0	1 612	559	0	na	2 171
Redclaw	0	0	1 097	0	0	0	na	1 097
Total	2 981	10	42 600	2 672	559	0	na	48 822
Molluscs								
Edible oysters	39 000	0	620	0	30 132	19 378	na	89 130
Pearl oysters [g]	0	0	1 292	113 000	0	0	na	114 292
Mussels	127	1 458	0	1 483	2 591	2 611	na	8 270
Other [h]	0	5 966	0	0	5 151	5 803	na	16 920
Total	39 127	7 424	1 912	114 483	37 874	27 792	na	228 612
Other NEI [i]	645	0	5 420	1 187	14 765	0	22 570	44 587
Total value	48 111	18 475	75 512	122 792	262 128	318 766	22 570	868 355
Quantity	t	t	t	t	t	t	t	t
Fish								
Salmonids [b]	130	1 134	0	15	0	24 248	na	25 527
Tuna	0	0	0	0	9 757	0	na	9 757
Silver perch	200	0	76	16	0	0	na	292
Barramundi [c]	111	0	2 464	365	421	0	na	3 361
Other [d]	na	105	59	1	2 074	0	na	2 239
Total	441	1 239	2 599	397	12 251	24 248	na	41 175
Crustaceans								
Prawn	200	0	2 888	0	0	0	na	3 088
Yabbies	22	1	0	61	0	0	na	84
Marron [e]	0	0	0	59	22	0	na	81
Redclaw	0	0	67	0	0	0	na	67
Total	222	1	2 955	120	22	0	na	3 319
Molluscs								
Edible oysters	4 500	0	na	0	5 448	2 512	na	12 460
Pearl oysters	0	0	na	na	0	0	na	na
Mussels	21	521	0	496	1 369	746	na	3 153
Other [h]	0	166	0	0	167	171	na	504
Total	4 521	687	na	496	6 983	3 429	na	16 116
Other NEI [i]	45	0	120	na	1 727	0	na	1 892
Total quantity	5 229	1 927	5 674	1 013	20 984	27 676	na	62 503

a Excludes hatchery production, crocodiles, microalgae and aquarium worms. **b** Includes salmon and trout production. **c** In South Australia, includes trout for confidentiality purposes for 2007-08. **d** Includes eels, other native fish and aquarium fish. **e** In South Australia, includes yabbies for confidentiality purposes for 2007-08. **g** Total value of pearl production will be an underestimate as it excludes the value of production in NT which remains confidential. **h** Includes scallops, giant clams and abalone. **i** Includes aquaculture production not elsewhere specified due to confidentiality restrictions. In Victoria, this includes abalone, warmwater finfish, ornamental fish, other shellfish, shrimps and aquatic worms. In Western Australia, this includes some other crustaceans and molluscs not specified above. In South Australia, this includes snapper, microalgae, aquarium species, murray cod and callop. Total only sums across. **s** Estimates. **na** Not available.

Sources: ABARE; 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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Edible						
Fish						
Live	na	40 078	na	40 825	na	42 827
Fresh, chilled or frozen						
Whole						
Tuna **a**	11 305	177 421	11 148	160 443	12 075	202 340
Other	7 228	30 626	7 341	34 275	6 338	36 584
Fillets	2 023	14 637	1 757	12 814	1 016	5 695
Canned	1 204	6 797	1 291	6 300	1 972	12 560
Dried, salted and smoked	135	13 687	229	15 305	176	16 641
Other fish products	1 364	11 515	1 184	10 435	838	8 149
Total fish **b**	23 260	294 762	22 949	280 398	22 414	324 795
Crustaceans and molluscs						
Rock lobster	11 938	489 351	10 252	463 365	9 496	400 864
Prawns	8 744	133 923	6 376	93 563	4 916	68 624
Abalone	3 665	245 627	3 911	246 028	3 580	217 218
Scallops	1 485	38 773	1 401	35 417	1 128	27 838
Oysters	187	1 783	249	2 294	228	2 133
Crabs	1 545	17 895	1 424	17 453	1 414	15 701
Other	1 479	15 227	1 448	19 392	822	8 243
Total	29 042	942 579	25 061	877 511	21 584	740 620
Total edible b	52 302	1 237 341	48 010	1 157 909	43 998	1 065 415
Nonedible						
Marine fats and oils	na	3 638	na	11 633	na	5 474
Fish meal	na	9 421	na	4 735	na	974
Pearls **c**	na	289 506	na	313 657	na	264 026
Ornamental fish	na	1 492	na	1 539	na	1 950
Other nonedible	na	5 588	na	4 527	na	3 854
Total nonedible	na	309 646	na	336 091	na	276 277
Total fisheries products	na	1 546 987	na	1 494 000	na	1 341 692

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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Tuna a						
Whole						
Fresh or chilled	4 473	68 088	4 447	46 366	3 234	43 907
Frozen	6 832	109 333	6 702	114 077	8 840	158 433
Canned	387	2 010	258	1 247	499	3 857
Other	2	16	191	555	0	2
Total	11 694	179 447	11 597	162 245	12 574	206 200
Salmon						
Whole						
Fresh or chilled	721	4 534	1 346	9 703	2 194	15 741
Frozen	61	186	136	552	71	615
Smoked	31	643	42	915	38	641
Canned	493	2 765	184	1 293	472	2 543
Total	1 306	8 128	1 708	12 464	2 775	19 540
Other fish						
Live	na	40 078	na	40 825	na	42 827
Whole						
Fresh or chilled	1 332	13 337	1 076	11 334	1 211	11 929
Frozen						
Whiting	2 184	4 634	1 855	3 986	1 291	2 960
Other	2 931	7 936	2 928	8 700	1 570	5 339
Fillets						
Fresh or chilled	225	2 728	808	7 994	772	3 310
Frozen	1 798	11 909	949	4 820	244	2 384
Other (fresh, chilled or frozen)	1 240	9 774	940	8 880	715	6 443
Canned	323	2 022	848	3 760	1 001	6 160
Dried, salted and smoked	105	13 044	187	14 390	138	16 000
Other	123	1 725	53	1 001	123	1 703
Total b	10 259	107 187	9 644	105 690	7 065	99 056
Total fish b	23 260	294 762	22 949	280 398	22 414	324 795

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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Rock lobster						
Whole						
Live, fresh or chilled	7 114	295 617	6 231	280 727	5 884	264 643
Frozen	547	17 830	485	18 162	512	16 185
Cooked	2 252	74 001	1 613	58 238	1 704	52 504
Tails (fresh, chilled or frozen)	1 612	97 335	1 458	101 500	1 034	63 378
Other	412	4 568	465	4 739	362	4 153
Total	11 938	489 351	10 252	463 365	9 496	400 864
Prawns						
Headless	150	2 835	118	2 285	435	5 803
Whole	8 409	128 872	6 034	88 740	3 869	56 100
Other	185	2 216	225	2 538	611	6 721
Total	8 744	133 923	6 376	93 563	4 916	68 624
Crabs						
Fresh, frozen or cooked	1 539	17 817	1 415	17 400	1 410	15 663
Other	6	78	10	53	4	38
Total	1 545	17 895	1 424	17 453	1 414	15 701
Abalone						
Fresh, chilled or frozen	2 133	131 533	2 241	139 041	2 148	124 187
Canned	1 532	114 094	1 670	106 987	1 432	93 031
Total	3 665	245 627	3 911	246 028	3 580	217 218
Scallops						
Fresh, chilled or frozen	1 484	38 748	1 401	35 414	1 127	27 809
Other	0	25	0	3	0	29
Total	1 485	38 773	1 401	35 417	1 128	27 838
Other	1 666	17 011	1 697	21 686	1 050	10 375
Total crustaceans and molluscs	29 042	942 579	25 061	877 511	21 584	740 620

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

21 Exports of edible fish, by destination – Australia

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Tuna [a]						
Fresh or chilled (whole)						
France	24	175	69	511	1	13
Japan	3 638	61 705	2 418	36 745	2 518	39 103
Samoa	163	433	534	1 603	257	694
United States	348	4 732	408	3 816	219	2 384
Viet Nam	277	821	328	1 056	94	241
Other	23	221	690	2 634	145	1 473
Total	4 473	68 088	4 447	46 366	3 234	43 907
Frozen (whole)						
Japan	6 433	108 269	6 241	112 721	8 389	157 255
Samoa	280	764	46	131	389	1 013
Thailand	114	242	261	767	0	0
United States	3	37	6	49	1	2
Other	2	22	148	409	62	164
Total	6 832	109 333	6 702	114 077	8 840	158 433
Salmon						
Fresh or chilled (whole)						
Hong Kong, China	16	129	54	399	90	644
Indonesia	12	120	173	1 125	399	2 192
Japan	677	4 137	621	4 811	1 143	9 237
Singapore	6	41	61	413	39	242
Thailand	4	37	8	93	69	461
United Arab Emirates	2	17	42	304	58	441
United States	2	18	87	681	63	480
Other	2	36	299	1 876	333	2 044
Total	721	4 534	1 346	9 703	2 194	15 741
Frozen (whole)						
Egypt	28	39	25	40	0	0
Fiji	2	25	61	47	30	22
Hong Kong, China	1	11	0	3	0	3
Indonesia	1	21	2	38	2	33
Japan	1	24	1	38	1	22
New Zealand	27	43	0	0	0	8
Thailand	1	10	3	54	1	18
Other	1	13	43	332	38	510
Total	61	186	136	552	71	615
Whiting						
Frozen (whole)						
China	433	796	687	1 635	582	1 511
Hong Kong, China	14	330	0	0	0	0
Japan	0	0	0	0	0	0
Samoa	193	463	0	0	17	52
Singapore	54	108	0	0	0	0
Thailand	1 453	2 863	1 168	2 351	692	1 397
Other	37	75	0	0	0	0
Total	2 184	4 634	1 855	3 986	1 291	2 960

Continued

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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Canned						
Tuna						
New Zealand	310	1 388	242	1 140	371	1 999
United States	66	552	0	0	7	59
Other	11	71	16	107	121	1 799
Total	387	2 010	258	1 247	499	3 857
Salmon						
New Zealand	465	2 488	174	1 104	453	2 373
United States	26	258	5	159	5	46
Other	2	18	5	30	14	124
Total	493	2 765	184	1 293	472	2 543
Other fish						
New Zealand	103	795	591	1 912	568	2 020
Singapore	69	347	104	462	69	359
Other	151	880	153	1 385	363	3 781
Total	323	2 022	848	3 760	1 001	6 160

a Exports of tuna landed in Australia.

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

22 Exports of crustaceans, by destination – Australia

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Rock lobster						
Whole						
Live, fresh or chilled						
China	260	10 841	102	4 886	123	5 648
Chinese Taipei	650	24 555	317	12 349	197	7 300
France	90	3 365	63	2 467	68	2 587
Hong Kong, China	5 100	216 595	4 948	226 718	4 870	223 202
Japan	900	35 388	698	29 342	540	22 013
Malaysia	20	956	19	936	15	736
Singapore	31	1 554	29	1 505	22	1 119
United Arab Emirates	21	822	17	773	12	510
United States	18	646	17	800	12	592
Other	24	896	20	951	25	936
Total	7 114	295 617	6 231	280 727	5 884	264 643
Frozen						
China	113	3 484	67	2 294	16	521
Chinese Taipei	12	369	39	1 303	60	1 647
Greece	9	305	9	305	0	0
Hong Kong, China	24	486	62	2 149	45	1 102
Japan	343	11 739	276	10 897	354	11 562
Mauritius	13	494	7	296	16	501
United Kingdom	13	401	18	661	9	327
Other	20	552	6	256	14	525
Total	547	17 830	485	18 162	512	16 185
Cooked						
China	970	30 755	495	17 084	55	1 790
Chinese Taipei	162	4 918	460	16 460	815	23 357
Hong Kong, China	325	10 410	153	5 231	219	7 350
Japan	542	19 124	220	8 423	339	10 819
Singapore	125	3 945	159	5 760	180	5 563
Other	128	4 849	124	5 280	96	3 626
Total	2 252	74 001	1 613	58 238	1 704	52 504
Tails						
Fresh, chilled or frozen						
France	72	4 880	18	1 440	10	770
Hong Kong, China	12	593	14	862	16	933
Japan	42	2 303	38	2 034	26	1 411
United Kingdom	10	510	0	0	6	420
United States	1 467	88 585	1 383	96 760	954	58 580
Other	9	464	6	404	21	1 263
Total	1 612	97 335	1 458	101 500	1 034	63 378
Other						
France	17	775	11	551	12	570
Japan	284	1 248	345	1 398	249	2 257
United Kingom	31	1 228	51	2 428	17	680
United States	22	531	0	0	7	205
Other	58	787	57	362	77	441
Total	412	4 568	465	4 739	362	4 153
Total rock lobster	11 938	489 351	10 252	463 365	9 496	400 864

Continued

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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Prawns						
Headless						
Greece	12	155	7	97	0	0
Japan	121	2 490	94	2 011	66	1 549
Malaysia	5	33	0	0	81	1 032
New Zealand	1	7	2	25	3	60
United States	3	57	0	0	0	0
Viet Nam	7	66	5	10	138	1 136
Other	2	28	10	142	148	2 026
Total	150	2 835	118	2 285	435	5 803
Whole						
China	1 107	11 905	1 019	10 805	430	4 145
Greece	391	6 907	320	5 381	185	3 611
Hong Kong, China	401	5 758	413	5 960	425	5 959
Italy	382	7 290	52	943	18	179
Japan	2 993	57 151	2 334	43 293	1 702	29 888
Portugal	416	5 165	46	838	0	0
Spain	1 434	18 972	877	10 233	331	3 424
Thailand	376	3 817	145	1 505	105	1 093
United States	16	297	27	598	7	86
Vietnam	548	7 607	485	5 113	317	3 868
Other	345	4 001	317	4 072	349	3 847
Total	8 409	128 872	6 034	88 740	3 869	56 100
Other						
France	19	415	3	60	0	0
Germany	12	301	11	273	14	323
Hong Kong	28	208	15	80	2	47
New Zealand	30	197	22	212	45	603
Singapore	19	274	4	53	25	222
Other	78	822	170	1 859	526	5 526
Total	185	2 216	225	2 538	611	6 721
Total prawns	8 744	133 923	6 376	93 563	4 916	68 624
Crabs						
Fresh, frozen or cooked						
China	109	3 695	210	5 127	212	4 218
Chinese Taipei	850	7 196	655	5 369	582	3 914
Hong Kong, China	138	1 864	193	2 379	243	3 059
Japan	330	3 163	190	1 921	190	1 696
Singapore	15	453	16	560	24	745
United States	25	451	29	418	23	482
Other	72	995	122	1 627	136	1 549
Total	1 539	17 817	1 415	17 400	1 410	15 663
Other crabs	6	78	10	53	4	38
Total crabs	1 545	17 895	1 424	17 453	1 414	15 701
Other crustaceans						
China	10	325	10	497	1	29
Chinese Taipei	21	282	3	102	0	0
Hong Kong, China	33	1 228	150	7 137	45	2 063
Japan	21	468	17	395	1	51
Other	33	1 042	47	1 510	39	888
Total	118	3 344	228	9 641	86	3 031
Total crustaceans	22 345	644 513	18 281	584 022	15 912	488 219

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

23 Exports of molluscs, by destination – Australia

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Abalone						
Fresh, chilled or frozen						
Canada	10	1 341	12	1 588	14	1 723
China	609	34 493	271	14 255	111	5 736
Chinese Taipei	63	3 153	44	2 301	34	1 483
Hong Kong, China	1 019	66 780	1 492	94 240	1 545	89 809
Japan	404	23 766	391	24 057	381	21 978
Singapore	16	971	15	1 121	23	1 409
Other	12	1 028	16	1 479	41	2 049
Total	2 133	131 533	2 241	139 041	2 148	124 187
Canned						
Chinese Taipei	153	10 553	134	7 836	66	3 971
Hong Kong, China	609	46 392	883	54 819	732	49 462
Japan	404	29 876	229	16 546	183	12 096
Singapore	249	18 768	324	20 861	339	20 309
United States	37	3 056	39	3 174	41	2 608
Other	80	5 449	61	3 750	70	4 585
Total	1 532	114 094	1 670	106 987	1 432	93 031
Total abalone	3 665	245 627	3 911	246 028	3 580	217 218
Scallops						
Fresh, chilled or frozen						
China	28	769	24	445	26	611
France	305	6 462	187	4 551	0	0
Hong Kong, China	764	21 241	799	21 042	736	18 461
Malaysia	61	1 563	47	1 130	86	1 909
Singapore	260	7 314	274	7 278	254	6 225
Other	66	1 399	70	967	25	603
Total	1 484	38 748	1 401	35 414	1 127	27 809
Other scallops	0	25	0	3	0	29
Total scallops	1 485	38 773	1 401	35 417	1 128	27 838
Other molluscs						
Canada	74	475	118	609	33	94
China	597	1 151	347	657	110	90
Chinese Taipei	22	318	8	102	26	250
Hong Kong, China	464	8 788	660	8 193	473	3 529
Japan	78	1 156	57	842	157	1 574
Singapore	17	232	24	558	80	951
Malaysia	55	391	0	0	0	108
Other	243	1 156	255	1 084	85	749
Total	1 548	13 666	1 468	12 045	964	7 344
Total molluscs	6 697	298 066	6 780	293 489	5 672	252 401

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

24 Exports of fisheries products, by destination – Australia

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Edible (excluding live)						
Canada	109	3 333	141	2 953	88	3 364
China	4 799	102 374	3 439	59 347	1 849	26 089
Chinese Taipei	2 092	55 217	2 126	50 455	2 140	44 739
France	714	20 904	572	15 064	300	7 518
Greece	433	7 563	337	5 840	186	3 651
Hong Kong, China	9 314	396 011	10 266	447 014	10 059	425 795
Indonesia	410	2 245	446	2 884	557	3 882
Italy	454	8 113	112	1 842	60	1 010
Japan	17 874	370 509	14 957	305 573	16 652	328 252
Malaysia	387	5 928	329	5 423	378	7 977
New Zealand	2 191	11 664	2 155	10 333	2 453	12 590
Portugal	416	5 165	128	1 125	0	0
Singapore	1 058	36 283	1 238	40 741	1 255	40 398
Spain	1 434	18 985	1 046	11 479	431	4 130
Thailand	2 110	8 466	2 209	8 039	1 293	7 675
United Kingdom	137	3 431	147	5 520	73	2 204
United States	3 117	112 838	2 665	115 166	1 774	72 135
Viet Nam	986	9 438	1 044	7 281	885	7 718
Other	4 267	18 797	4 653	21 004	3 562	23 461
Total	52 302	1 197 264	48 010	1 117 084	43 998	1 022 588
Nonedible						
China	na	343	na	1 133	na	800
Chinese Taipei	na	941	na	750	na	84
France	na	6 768	na	4 111	na	7 336
Germany	na	2 076	na	4 930	na	3 719
Hong Kong, China	na	149 783	na	155 756	na	128 093
Indonesia	na	881	na	5 069	na	974
Italy	na	1 750	na	2 268	na	1 304
Japan	na	62 631	na	68 567	na	53 333
Korea, Rep. of	na	1 395	na	1 311	na	1 009
New Zealand	na	9 903	na	8 637	na	2 287
Singapore	na	2 278	na	1 656	na	2 446
Spain	na	3 851	na	2 899	na	3 092
Thailand	na	1 517	na	1 392	na	3 623
United Arab Emirates	na	1 721	na	136	na	4 053
United Kingdom	na	6 201	na	3 677	na	1 209
United States	na	28 135	na	34 328	na	24 225
Viet Nam	na	1 563	na	1 298	na	1 271
Other	na	27 910	na	38 172	na	37 420
Total	na	309 646	na	336 091	na	276 277
Total exports	na	1 506 910	na	1 453 175	na	1 298 865

na Not available.

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

25 Exports of seafood to selected countries, by product – Australia [a]

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Hong Kong, China						
Dried, salted or smoked fish	83	12 200	133	13 767	104	13 537
Other fish	284	3 173	323	4 139	539	6 490
Rock lobster	5 491	228 354	5 205	235 204	5 182	232 680
Prawns	429	5 966	430	6 095	462	6 708
Crabs	138	1 864	193	2 379	243	3 059
Abalone	1 629	113 171	2 375	149 059	2 276	139 271
Scallops	764	21 265	799	21 042	736	18 461
Other	496	10 016	810	15 329	518	5 591
Total	9 314	396 011	10 266	447 014	10 059	425 795
Japan						
Tuna (whole)	10 071	169 974	8 659	149 466	10 907	196 358
Fillets	155	878	463	4 495	32	317
Dried, salted or smoked fish	12	260	7	199	14	297
Other fish	1 152	11 116	920	10 067	1 488	13 975
Rock lobster	2 111	69 802	1 578	52 094	1 508	48 062
Prawns	3 116	59 665	2 442	45 446	1 792	31 848
Crabs	330	3 163	190	1 921	190	1 696
Abalone	808	53 642	620	40 603	563	34 074
Scallops	21	384	3	44	0	0
Other	98	1 624	74	1 237	158	1 625
Total	17 874	370 509	14 957	305 573	16 652	328 252
Singapore						
Tuna (whole)	0	6	0	5	14	329
Fillets	88	664	45	340	8	132
Dried, salted or smoked fish	3	287	3	157	2	261
Canned fish	69	348	109	482	73	382
Other fish	144	998	218	1 509	134	1 437
Rock lobster	164	5 780	193	7 569	212	7 097
Prawns	29	314	15	198	89	952
Crabs	15	453	16	560	24	745
Abalone	265	19 739	339	21 982	362	21 718
Scallops	260	7 314	274	7 278	255	6 253
Other	20	379	26	660	83	1 094
Total	1 058	36 283	1 238	40 741	1 255	40 398

Continued

25 Exports of seafood to selected countries, by product – Australia [a] *continued*

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Chinese Taipei						
Fish	120	3 019	404	3 417	324	2 219
Rock lobster	824	29 851	823	30 145	1 083	32 414
Prawns	40	828	54	1 183	26	489
Crabs	850	7 196	655	5 369	582	3 914
Abalone	216	13 706	178	10 137	100	5 454
Scallops	1	17	0	0	0	0
Other	43	600	12	204	26	250
Total	2 092	55 217	2 126	50 455	2 140	44 739
United States						
Fillets	402	6 121	161	2 083	18	182
Canned fish	94	828	14	238	13	108
Other fish	989	10 347	965	9 234	648	6 184
Rock lobster	1 533	90 800	1 410	97 824	1 006	60 901
Prawns	19	357	29	632	8	104
Crabs	25	451	29	418	23	482
Abalone	43	3 673	49	4 194	57	4 089
Scallops	1	19	0	11	0	11
Other	13	242	9	533	1	74
Total	3 117	112 838	2 665	115 166	1 774	72 135
China						
Fish	957	3 199	799	2 364	654	2 067
Rock lobster	1 357	45 510	674	24 284	202	7 978
Prawns	1 124	11 999	1 101	11 277	529	4 808
Crabs	109	3 695	210	5 127	212	4 218
Other	1 253	37 972	655	16 295	252	7 019
Total	4 799	102 374	3 439	59 347	1 849	26 089
APEC						
Tuna	10 941	177 176	10 277	157 076	11 669	203 193
Salmon	1 256	7 771	1 492	11 090	2 613	18 183
Other fish	8 015	95 289	7 433	92 447	5 988	86 984
Rock lobster	11 543	472 068	9 936	449 089	9 254	390 947
Prawns	5 424	85 615	4 431	68 439	3 465	51 162
Abalone	3 644	243 964	3 895	244 723	3 574	216 826
Scallops	1 164	32 064	1 189	30 568	1 122	27 754
Oysters	181	1 724	240	2 217	222	2 069
Crabs	1 519	17 435	1 394	16 816	1 388	15 225
Other crustaceans and molluscs	1 325	14 338	1 259	18 255	774	7 510
Total	45 013	1 147 443	41 546	1 090 720	40 068	1 019 853

a Excludes live.

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

26 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.

27 Seafood exports in 2006-07, by state – Australia [a]

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust. [b]
Value	$'000	$'000	$'000	$'000	$'000	$'000	$'000	$'000
Fish								
Live	772	1 138	38 407	13	212	281	0	40 825
Fresh, chilled or frozen								
Whole	3 738	1 516	25 729	1 567	142 887	11 480	195	194 718
Fillets	186	987	467	342	1 555	8 763	0	12 814
Other	5 339	3 797	16 891	1 962	113	622	360	32 040
Total fish	10 035	7 437	81 493	3 884	144 766	21 146	554	280 398
Crustaceans and molluscs								
Rock lobster	2 549	26 782	22 659	284 226	96 316	28 752	0	463 365
Prawns	9 059	26	56 311	16 535	4 962	0	4 570	93 563
Abalone	4 345	81 571	1 810	8 355	54 313	95 630	0	246 028
Scallops	211	2 831	15 213	14 290	4	1 723	101	35 417
Oysters	53	79	7	9	1 086	1 044	0	2 294
Crabs	132	1 837	10 122	4 191	509	423	0	17 453
Other	4 076	5 672	3 540	1 325	1 031	2 787	0	19 392
Total	20 425	118 798	109 663	328 933	158 220	130 358	4 671	877 511
Total value	30 459	126 235	191 157	332 816	302 987	151 504	5 226	1 157 909
Quantity	t	t	t	t	t	t	t	t
Fish								
Live	na	na	na	na	na	na	na	na
Fresh, chilled or frozen								
Whole	654	269	5 223	226	7 899	1 478	35	18 489
Fillets	13	77	64	56	98	1 373	0	1 757
Other	719	525	389	585	26	30	20	2 703
Total fish	1 385	871	5 677	867	8 023	2 881	55	22 949
Crustaceans and molluscs								
Rock lobster	53	548	423	6 684	1 946	554	0	10 252
Prawns	689	1	3 624	1 202	287	0	279	6 376
Abalone	82	1 333	18	93	713	1 672	0	3 911
Scallops	8	117	560	563	0	71	3	1 401
Oysters	5	11	1	1	123	107	0	249
Crabs	8	39	1 111	229	12	9	0	1 424
Other	200	592	211	37	207	74	0	1 448
Total	1 044	2 641	5 948	8 809	3 288	2 486	282	25 061
Total quantity	2 429	3 512	11 624	9 676	11 310	5 366	337	48 010

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 2007-08, by state – Australia [a]

	NSW	Vic.	Qld	WA	SA	Tas.	NT	Aust. [b]
Value	$'000	$'000	$'000	$'000	$'000	$'000	$'000	$'000
Fish								
Live	962	1 517	40 029	3	0	317	0	42 827
Fresh, chilled or frozen								
Whole	4 588	1 158	18 011	835	193 010	16 665	209	238 924
Fillets	299	400	163	2	1 339	2 890	0	5 695
Other	4 964	7 740	17 291	1 146	248	761	139	37 350
Total fish	10 813	10 815	75 494	1 987	194 598	20 632	348	324 795
Crustaceans and molluscs								
Rock lobster	4 616	17 477	20 651	227 411	94 683	33 355	0	400 864
Prawns	4 888	133	37 387	13 355	1 764	0	0	68 624
Abalone	3 317	67 814	1 404	7 080	45 410	91 400	0	217 218
Scallops	487	40	15 330	11 502	352	0	0	27 838
Oysters	74	69	0	10	1 220	712	0	2 133
Crabs	32	1 901	8 649	4 151	471	406	0	15 701
Other	334	3 464	1 892	994	164	538	0	8 243
Total	13 748	90 898	85 312	264 502	144 065	126 412	0	740 620
Total value	24 562	101 713	160 806	266 489	338 663	147 045	348	1 065 415
Quantity	t	t	t	t	t	t	t	t
Fish								
Live	na	na	na	na	na	na	na	na
Fresh, chilled or frozen								
Whole	810	155	3 253	134	10 261	2 309	31	18 413
Fillets	29	38	33	0	75	752	0	1 016
Other	664	1 003	378	332	24	57	1	2 986
Total fish	1 503	1 195	3 664	466	10 360	3 119	32	22 414
Crustaceans and molluscs								
Rock lobster	90	379	407	6 060	1 877	623	0	9 496
Prawns	298	11	2 357	979	97	0	0	4 916
Abalone	65	1 149	11	78	578	1 679	0	3 580
Scallops	18	1	610	475	15	0	0	1 128
Oysters	8	7	0	1	139	66	0	228
Crabs	1	44	1 088	252	10	9	0	1 414
Other	13	459	171	29	18	33	0	822
Total	494	2 050	4 643	7 874	2 733	2 409	0	21 584
Total quantity	1 997	3 246	8 307	8 340	13 093	5 527	32	43 998

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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Edible						
Fish						
Live fish	na	1	na	4	na	0
Fresh, chilled or frozen						
Fresh or chilled whole	5 671	36 348	6 377	45 626	6 881	52 358
Frozen whole	7 243	19 172	6 000	18 390	6 258	22 403
Fresh or chilled fillets	505	4 537	666	6 905	701	6 975
Frozen fillets	41 062	196 759	42 491	228 243	43 308	227 783
Other	5 243	15 901	4 237	17 409	4 765	15 494
Canned fish	52 687	228 710	52 156	243 766	53 557	257 466
Smoked, dried or salted fish	3 074	36 191	4 219	53 076	3 755	45 056
Other fish preparations	13 721	64 451	17 497	87 632	17 852	87 467
Total **a**	129 207	602 070	133 644	701 050	137 079	715 002
Crustaceans and molluscs						
Fresh, chilled or frozen **b**						
Prawns	23 165	201 351	26 016	246 387	18 731	166 646
Lobster	568	10 249	634	13 218	792	14 120
Scallops	2 421	30 756	2 665	29 814	2 460	28 081
Oysters	678	5 808	837	6 841	726	7 270
Mussels	2 170	8 579	2 303	9 270	2 194	8 990
Other	16 974	79 713	17 312	74 423	17 449	62 553
Canned	12 973	88 134	14 773	101 391	18 824	128 147
Extracts and pastes	0	0	0	0	0	0
Other	322	1 804	420	1 999	197	1 406
Total	59 271	426 393	64 959	483 344	61 373	417 214
Total edible **a**	188 477	1 028 463	198 602	1 184 394	198 452	1 132 217
Nonedible						
Pearls	na	159 405	na	181 642	na	166 353
Fish meal	na	22 010	na	40 069	na	41 176
Ornamental fish	na	5 042	na	5 311	na	5 434
Marine fats and oils	na	17 079	na	23 971	na	27 098
Other marine products	na	33 732	na	32 040	na	25 604
Total nonedible	na	237 269	na	283 032	na	265 665
Total fisheries products	na	1 265 733	na	1 467 426	na	1 397 882

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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Salmon						
Smoked	1 116	19 691	1 599	30 953	1 327	24 643
Whole						
Frozen	258	687	445	949	65	795
Fresh or chilled	483	3 712	719	6 148	748	6 947
Canned	8 882	50 297	10 588	64 315	8 038	46 402
Total	10 739	74 387	13 350	102 366	10 178	78 788
Hake						
Frozen						
Fillets	6 210	27 408	6 981	36 234	5 741	29 967
Whole	0	0	0	0	0	0
Mince	2 054	3 793	885	1 451	1 068	2 048
Total	8 264	31 201	7 866	37 685	6 810	32 015
Tuna						
Whole						
Fresh or chilled	223	1 398	202	1 104	209	1 501
Frozen	77	155	4	38	30	135
Canned	36 217	139 782	34 307	140 514	38 528	172 434
Total	36 518	141 334	34 513	141 655	38 767	174 070
Other fish						
Live	na	1	na	4	na	0
Fresh or chilled whole	4 964	31 238	5 456	38 374	5 924	43 909
Frozen whole	6 909	18 330	5 551	17 403	6 163	21 472
Fresh or chilled fillets	505	4 537	666	6 905	701	6 975
Frozen fillets	34 852	169 351	35 511	192 009	37 566	197 816
Other fresh, chilled or frozen products	3 189	12 109	3 352	15 958	3 697	13 446
Other canned fish						
Herrings	1 035	4 520	704	3 529	798	3 764
Sardines	4 413	20 309	4 347	21 052	4 080	21 083
Anchovy	1 046	10 184	965	9 790	967	9 247
Mackerel	930	2 976	1 021	3 719	906	3 102
Other	163	643	225	847	240	1 434
Total	7 588	38 631	7 262	38 937	6 991	38 630
Smoked						
Herrings	54	277	75	471	68	385
Liver and roes	8	117	19	264	14	229
Other	1 101	7 887	1 532	11 753	1 384	10 285
Total	1 163	8 281	1 627	12 488	1 465	10 899
Dried	566	6 766	597	7 481	690	7 876
Salted	229	1 453	396	2 153	273	1 639
Other fish preparations						
Fish meal	18	150	17	145	117	153
Fishballs, fishcake, sausages	2 637	9 618	3 104	11 848	4 021	14 493
Caviar and pastes	107	1 875	93	2 161	113	2 426
Other	10 959	52 808	14 282	73 479	13 602	70 395
Total	13 721	64 451	17 497	87 632	17 852	87 467
Total other fish **a**	73 685	355 149	77 915	419 344	81 324	430 129
Total fish a	129 207	602 070	133 644	701 050	137 079	715 002

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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Canned and preserved						
Crabs	498	3 084	644	4 259	488	4 853
Prawns	7 239	54 961	7 891	61 663	11 087	83 530
Smoked molluscs	1 143	6 793	1 366	6 082	798	4 884
Other molluscs	4 366	24 833	5 277	31 201	6 616	36 074
Extracts and pastes	0	0	0	0	0	0
Other preserved	48	268	16	187	33	213
Total	13 294	89 938	15 194	103 391	19 022	129 554
Other						
Prawns						
Fresh, chilled or frozen	23 111	200 925	26 015	246 372	18 730	166 630
Other	54	425	1	14	1	16
Lobster	568	10 249	634	13 218	792	14 120
Scallops	2 421	30 756	2 665	29 814	2 460	28 081
Oysters	678	5 808	837	6 841	726	7 270
Mussels	2 170	8 579	2 303	9 270	2 194	8 990
Crabs	461	4 271	489	4 517	591	5 468
Calamari, squid and octopus	15 199	63 204	15 276	55 900	15 603	45 576
Other	1 314	12 238	1 547	14 007	1 255	11 510
Total	45 976	336 455	49 765	379 953	42 351	287 661
Total crustaceans and molluscs	59 271	426 393	64 959	483 344	61 373	417 214

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

32 Imports of edible fish, by source – Australia

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Fish (excluding canned)						
Tuna						
Indonesia	22	195	11	98	2	20
Fiji	137	887	63	456	107	791
Japan	0	4	0	14	0	15
Maldives	48	50	0	0	0	0
New Zealand	21	198	39	164	51	450
Papua New Guinea	45	142	80	318	38	163
Thailand	17	15	11	79	11	74
Other	11	63	2	14	30	124
Total	300	1 553	206	1 142	239	1 637
Salmon						
Denmark	763	14 240	946	19 757	779	14 825
New Zealand	544	4 726	835	8 530	896	10 318
Norway	310	4 478	467	7 727	450	6 992
Other	241	646	514	2 036	15	251
Total	1 857	24 089	2 763	38 050	2 140	32 386
Hake						
Argentina	3 143	8 744	2 368	9 317	2 169	8 154
Chile	437	767	108	204	263	482
China	227	712	132	328	292	1 077
Chinese Taipei	33	192	15	128	8	62
Namibia	1 812	7 829	1 986	10 201	1 232	6 367
New Zealand	607	3 044	699	2 680	818	4 152
South Africa	1 757	9 200	2 495	14 595	1 863	11 064
Uruguay	80	231	19	64	16	60
Other	169	481	44	167	148	597
Total	8 264	31 201	7 866	37 685	6 810	32 015
Other						
China	3 647	14 528	5 493	22 860	4 869	24 931
Chinese Taipei	3 013	15 364	3 104	19 274	4 269	25 920
New Zealand	19 282	105 630	23 156	136 966	23 811	143 296
South Africa	3 029	19 638	3 021	18 264	2 085	13 081
Thailand	9 616	36 236	8 983	34 113	9 259	35 621
Viet Nam	12 486	47 017	12 869	56 593	15 698	59 483
Other	18 490	90 488	16 053	99 636	15 647	94 637
Total	69 563	328 902	72 680	387 706	75 639	396 968

Continued

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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Canned fish						
Canada	4 206	23 280	3 204	19 206	2 213	12 568
Chile	558	2 707	559	2 928	526	2 946
China	471	1 130	904	3 828	812	3 353
Denmark	275	1 418	236	1 316	132	706
Germany	494	2 945	306	1 893	385	2 410
Greece	91	681	99	823	66	566
Indonesia	268	837	356	1 001	429	1 531
Italy	705	5 502	689	5 858	576	5 228
Japan	462	1 732	123	425	130	475
Korea, Rep. of	300	1 393	166	809	193	905
Malaysia	190	640	238	827	227	826
Morocco	300	3 237	246	2 814	257	2 495
Norway	288	3 992	257	3 704	222	3 080
Philippines	189	497	236	604	935	3 193
Poland	484	3 300	300	2 809	541	5 867
Portugal	288	1 510	367	1 972	201	1 061
Spain	82	1 412	92	1 503	117	1 477
Thailand	36 952	143 119	36 373	150 631	39 326	177 728
United Kingdom	415	3 459	467	4 776	310	2 948
United States	4 687	21 577	6 151	31 946	5 070	23 486
Viet Nam	179	1 011	236	1 073	328	1 519
Other	802	3 332	550	3 019	563	3 098
Total	52 687	228 710	52 156	243 766	53 557	257 466

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

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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Fresh or chilled fish						
Whole						
Fiji	141	892	68	491	116	846
Indonesia	61	332	186	894	248	821
New Zealand	5 398	34 854	5 864	42 816	6 302	49 574
Papua New Guinea	46	143	80	320	38	163
Viet Nam	12	87	77	391	89	476
Other	12	39	101	713	89	478
Total	5 671	36 348	6 377	45 626	6 881	52 358
Fillets						
Indonesia	284	2 617	235	1 984	169	1 133
New Zealand	192	1 784	284	3 266	336	3 653
Papua New Guinea	5	50	0	1	17	121
South Africa	0	0	0	0	0	0
Other	25	87	146	1 653	179	2 067
Total	505	4 537	666	6 905	701	6 975
Frozen fish						
Whole						
Tuna						
Indonesia	1	11	0	0	1	4
Japan	0	4	0	14	0	15
Maldives	48	50	0	0	0	0
New Zealand	0	0	0	0	0	0
Thailand	17	15	3	11	2	6
Other	11	75	2	14	28	110
Total	77	155	4	38	30	135
Salmon						
Canada	223	419	95	225	0	0
New Zealand	18	33	7	22	6	41
Norway	16	231	0	0	57	743
United Kingdom	0	0	0	0	0	0
Other	0	5	343	701	2	11
Total	258	687	445	949	65	795
Other						
China	509	2 431	454	2 234	632	2 281
Chinese Taipei	796	2 027	619	1 323	661	1 453
India	183	426	225	698	217	609
Indonesia	560	1 008	476	481	411	517
Japan	16	174	32	279	19	154
Myanmar	318	1 096	341	1 254	325	1 127
New Zealand	1 712	6 205	1 902	7 527	2 317	10 013
Thailand	553	1 249	488	1 159	161	385
United States	1 405	518	287	205	400	259
Viet Nam	392	1 282	391	1 233	315	1 146
Other	464	1 914	336	1 010	705	3 529
Total	6 909	18 330	5 551	17 403	6 163	21 472

Continued

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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Frozen fish (continued)						
Fillets						
Hake						
Argentina	1 880	6 466	2 131	8 825	1 787	7 442
Chile	34	103	0	0	34	98
China	171	598	11	77	131	707
Namibia	1 812	7 829	1 986	10 201	1 232	6 367
New Zealand	347	2 474	291	2 199	538	3 605
South Africa	1 757	9 200	2 495	14 595	1 863	11 064
Uruguay	80	231	19	64	16	60
Viet Nam	32	104	7	28	72	244
Other	98	402	41	245	67	381
Total	6 210	27 408	6 981	36 234	5 741	29 967
Other						
Argentina	1 879	5 830	1 232	4 949	897	3 148
Chile	801	2 249	241	809	77	149
China	2 020	7 121	3 463	11 994	2 304	11 704
Chinese Taipei	2 010	12 261	2 277	16 505	3 384	22 598
Indonesia	570	4 006	1 191	8 747	1 281	8 838
Kenya	2 046	11 024	1 209	6 992	845	4 003
Malaysia	81	397	72	324	70	482
Myanmar	925	6 172	1 132	8 210	849	6 798
New Zealand	8 089	46 794	9 235	56 632	9 378	59 328
Norway	424	4 945	288	3 097	397	4 734
Singapore	55	371	24	142	49	358
South Africa	868	5 336	528	3 343	583	3 580
Tanzania	683	3 526	563	3 152	432	2 224
Thailand	1 467	9 334	1 067	7 315	1 229	8 587
Uganda	621	3 387	778	4 606	289	1 407
United Kingdom	71	310	0	0	23	67
United States	402	1 441	449	1 810	680	2 480
Uruguay	210	519	0	0	38	231
Viet Nam	11 182	42 308	11 300	50 276	14 211	53 545
Virgin Islands	72	379	73	409	92	462
Other	373	1 643	391	2 698	457	3 094
Total	34 852	169 351	35 511	192 009	37 566	197 816

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

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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Dried or salted						
China	61	729	42	762	59	814
Hong Kong	40	917	22	931	22	838
Iceland	44	299	48	370	64	463
Korea, Rep. of	46	499	46	529	79	763
Malaysia	48	415	61	552	56	468
Norway	175	2 072	178	2 335	155	2 006
Philippines	80	673	112	751	23	337
Portugal	32	338	30	380	52	670
Thailand	20	171	38	251	36	229
Viet Nam	83	498	104	541	128	769
Other	166	1 607	312	2 235	288	2 157
Total	795	8 219	993	9 634	963	9 515
Smoked						
Argentina	29	108	12	49	30	132
China	14	38	1	4	27	192
Denmark	905	16 847	1 153	24 067	896	17 262
Japan	11	170	11	187	5	101
Korea, Rep. of	3	41	2	20	2	20
New Zealand	52	1 034	192	2 851	251	3 864
Norway	298	4 301	502	8 276	464	7 412
Philippines	54	551	48	436	31	269
South Africa	846	4 448	1 130	5 766	960	5 288
United Kingdom	53	343	62	405	62	435
Other	13	90	111	1 381	63	566
Total	2 279	27 972	3 225	43 441	2 792	35 542
Total dried, salted or smoked fish	3 074	36 191	4 219	53 076	3 755	45 056

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

35 Imports of canned fish products, by source – Australia

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Canned fish						
Salmon						
Canada	2 760	17 658	2 218	14 586	962	6 778
Chile	318	2 335	298	2 337	261	1 923
Thailand	637	4 503	1 097	9 147	1 112	8 630
United States	4 572	21 052	6 125	31 807	4 927	22 945
Other	595	4 749	849	6 437	777	6 126
Total	8 882	50 297	10 588	64 315	8 038	46 402
Tuna						
Indonesia	268	837	355	1 000	429	1 528
Japan	369	1 385	1	19	1	26
Thailand	34 644	134 162	33 276	136 071	36 782	164 995
Other	937	3 398	674	3 423	1 316	5 884
Total	36 217	139 782	34 307	140 514	38 528	172 434
Herrings						
Canada	167	852	129	693	134	768
Denmark	150	522	127	421	76	249
Germany	424	2 143	276	1 624	297	1 634
Other	294	1 002	172	791	290	1 114
Total	1 035	4 520	704	3 529	798	3 764
Sardines						
Canada	1 279	4 770	857	3 926	1 074	4 787
Norway	110	1 661	83	1 058	6	83
Thailand	1 366	3 678	1 702	4 655	1 117	3 377
United Kingdom	413	3 445	467	4 755	270	2 679
Other	1 244	6 755	1 238	6 658	1 614	10 157
Total	4 413	20 309	4 347	21 052	4 080	21 083
Anchovies						
Italy	511	4 341	503	4 401	441	4 034
Morocco	269	3 129	234	2 739	256	2 492
Spain	56	1 247	57	1 213	58	1 206
Other	210	1 466	171	1 436	213	1 516
Total	1 046	10 184	965	9 790	967	9 247
Mackerel						
Chile	216	342	184	345	146	273
Denmark	113	687	107	871	53	424
Japan	85	323	122	403	129	446
Malaysia	86	238	121	354	75	218
New Zealand	0	0	11	9	1	3
Thailand	277	642	265	598	279	534
Other	153	743	211	1 139	222	1 205
Total	930	2 976	1 021	3 719	906	3 102
Other						
Canada	0	0	0	0	43	235
Chinese Taipei	7	66	9	72	13	152
Peru	16	80	0	0	0	0
Sweden	13	78	0	0	1	8
Other	127	419	217	775	183	1 039
Total	163	643	225	847	240	1 434
Total canned fish	52 687	228 710	52 156	243 766	53 557	257 466

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

36 Imports of crustaceans and molluscs, by source – Australia

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Crustaceans						
Lobster						
Fresh, chilled or frozen						
Cuba	64	1 273	174	3 952	81	2 112
Indonesia	94	804	51	651	152	2 240
Japan	14	305	0	0	0	0
Malaysia	17	185	17	149	23	251
Papua New Guinea	79	2 590	86	3 727	99	4 205
Thailand	215	3 197	155	2 285	175	2 349
Other	85	1 895	151	2 456	263	2 962
Total lobster	568	10 249	634	13 218	792	14 120
Prawns						
Fresh, chilled or frozen						
China	4 465	29 417	8 469	62 120	5 486	36 737
Chinese Taipei	283	2 884	120	1 395	46	351
India	2 459	25 451	2 000	24 420	1 084	12 208
Indonesia	1 094	8 508	686	5 675	197	1 841
Malaysia	159	1 761	478	4 548	1 619	17 535
Myanmar	572	4 816	597	5 730	267	2 670
New Caledonia	100	1 256	74	874	7	88
Saudi Arabia	405	3 143	402	3 265	327	2 394
Singapore	157	1 474	79	944	3	23
Thailand	6 106	45 968	5 503	48 228	4 694	38 613
Viet Nam	6 855	72 307	7 229	85 791	4 856	52 951
Other	457	3 940	380	3 383	144	1 218
Total	23 111	200 925	26 015	246 372	18 730	166 630
Canned						
Malaysia	809	5 216	767	5 386	644	4 778
Thailand	3 706	30 858	3 293	26 789	3 633	26 783
Viet Nam	591	5 072	292	2 925	1 964	19 033
Other	2 133	13 815	3 539	26 563	4 845	32 936
Total	7 239	54 961	7 891	61 663	11 087	83 530
Other						
China	33	210	0	3	0	5
Malaysia	2	9	1	6	1	6
Thailand	17	200	0	3	0	3
Viet Nam	1	2	0	0	0	0
Other	1	4	0	3	0	3
Total	54	425	1	14	1	16
Total prawns	30 404	256 311	33 906	308 049	29 818	250 176
Crabs						
Fresh, chilled or frozen						
Indonesia	88	1 396	60	559	155	1 108
Malaysia	48	353	88	695	33	197
Thailand	147	963	103	999	145	1 465
Viet Nam	96	744	114	961	147	1 193
Other	81	815	124	1 303	110	1 505
Total	461	4 271	489	4 517	591	5 468
Canned						
Thailand	341	1 732	436	1 876	199	1 144
Other	157	1 352	209	2 384	289	3 709
Total	498	3 084	644	4 259	488	4 853
Total crabs	960	7 355	1 133	8 776	1 078	10 320

Continued

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

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Molluscs (fresh, chilled or frozen)						
Scallops						
Chile	79	864	26	271	126	1 241
China	1 355	16 201	1 583	16 442	1 114	11 195
Hong Kong	6	264	5	240	27	328
Japan	523	7 780	337	4 795	720	9 766
Thailand	257	2 860	365	4 695	293	2 796
United States	72	1 406	74	1 365	21	363
Viet Nam	43	401	32	366	14	141
Other	87	980	243	1 639	144	2 252
Total	2 421	30 756	2 665	29 814	2 460	28 081
Mussels						
China	21	182	3	12	1	11
New Zealand	2 043	7 880	2 259	9 024	2 169	8 906
United States	13	217	8	138	0	0
Other	93	300	32	96	24	74
Total	2 170	8 579	2 303	9 270	2 194	8 990
Calamari, squid and octopus						
China	4 725	20 757	5 300	17 324	5 749	13 445
Chinese Taipei	1 075	5 295	1 293	4 663	1 911	4 349
Hong Kong, China	64	532	8	186	10	178
India	183	617	194	635	98	424
Indonesia	286	1 399	527	1 805	205	811
Korea, Rep. of	118	620	128	678	283	893
Malaysia	631	2 594	601	2 596	563	2 207
Myanmar	133	382	217	770	153	448
New Zealand	3 983	16 674	2 997	11 082	2 628	8 499
Singapore	132	424	172	599	25	104
Thailand	1 684	7 649	1 794	8 713	1 898	8 235
United States	237	390	241	476	301	543
Uruguay	127	199	0	0	23	27
Viet Nam	1 639	5 138	1 667	5 831	1 362	4 221
Other	181	534	139	543	394	1 192
Total	15 199	63 204	15 276	55 900	15 603	45 576
Crustaceans and molluscs (canned)						
China	2 790	16 744	5 038	31 954	6 845	41 635
Korea, Rep. of	98	839	116	852	67	449
Malaysia	1 786	11 267	2 175	14 453	2 314	15 531
New Zealand	1 894	11 390	1 855	11 773	1 888	11 174
Singapore	124	916	149	1 165	104	764
Thailand	4 857	36 232	4 463	32 596	4 860	31 981
Viet Nam	633	5 358	365	3 484	2 101	20 655
Other	792	5 387	612	5 115	645	5 960
Total	12 973	88 134	14 773	101 391	18 824	128 147

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

37 Imports of fisheries products, by source – Australia

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Edible (excluding live)						
Argentina	5 444	17 513	4 184	18 316	3 771	14 351
Canada	4 663	24 919	3 534	21 678	2 452	15 534
Chile	2 428	8 493	1 012	4 556	1 129	5 321
China	17 898	101 105	27 104	155 759	25 346	133 120
Chinese Taipei	4 449	24 218	4 660	26 700	6 418	32 431
Denmark	1 214	18 679	1 444	26 159	1 120	19 025
Germany	521	3 122	538	3 965	517	3 425
India	3 112	28 098	2 593	26 987	1 636	15 085
Indonesia	3 984	25 845	4 505	27 796	3 759	23 232
Italy	765	5 958	741	6 264	591	5 408
Japan	1 412	13 718	890	9 425	1 268	14 600
Kenya	2 046	11 024	1 209	6 992	845	4 003
Korea, Rep. of	932	4 878	890	4 801	1 186	5 480
Malaysia	4 651	26 209	6 212	38 813	7 613	54 926
Myanmar	2 022	12 885	2 455	17 132	1 743	12 283
Namibia	1 842	7 987	2 118	11 087	1 378	7 339
Norway	1 217	15 709	1 432	20 250	1 594	21 275
New Zealand	29 121	159 773	32 828	192 444	33 107	199 010
Singapore	1 218	6 331	1 045	5 475	810	3 701
South Africa	4 787	28 847	5 546	33 069	3 992	24 483
Thailand	58 006	270 413	56 695	278 831	59 834	295 340
United Kingdom	560	4 231	531	5 204	399	3 492
United States	7 205	27 283	7 919	39 536	6 731	29 361
Viet Nam	22 100	132 869	22 674	154 946	25 076	142 309
Other	6 881	48 357	5 843	48 202	6 135	47 683
Total	188 477	1 028 462	198 602	1 184 390	198 452	1 132 217
Nonedible						
Chile	na	1 278	na	2 819	na	4 023
Chinese Taipei	na	2 170	na	1 046	na	978
French Polynesia	na	2 339	na	4 819	na	4 533
Hong Kong, China	na	4 613	na	5 240	na	5 197
Indonesia	na	11 793	na	7 830	na	8 041
Japan	na	4 626	na	4 362	na	2 920
Malaysia	na	1 071	na	665	na	699
Netherlands	na	4 908	na	2 447	na	2 303
New Zealand	na	10 194	na	10 650	na	8 376
Peru	na	15 835	na	33 680	na	42 242
Philippines	na	4 744	na	614	na	331
Samoa	na	2 583	na	4 153	na	3 825
Singapore	na	1 686	na	2 007	na	1 833
Thailand	na	1 818	na	987	na	1 176
United States	na	18 719	na	23 638	na	19 287
Other	na	148 892	na	178 074	na	159 901
Total	na	237 269	na	283 032	na	265 665
Total imports	na	1 265 731	na	1 467 422	na	1 397 882

na Not available.

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

38 Seafood imports from selected countries, by product – Australia [a]

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
China						
Frozen whole fish	516	2 446	454	2 234	632	2 281
Canned fish	471	1 130	904	3 828	812	3 353
Smoked, dried or salted fish	75	767	43	766	86	1 006
Other fish preparations	672	2 978	931	5 065	1 700	8 720
Prawns	4 498	29 627	8 469	62 122	5 486	36 742
Scallops	1 355	16 201	1 583	16 442	1 114	11 195
Oysters	1	17	7	87	5	48
Mussels	21	182	3	12	1	11
Canned crustaceans and molluscs	2 790	16 744	5 038	31 954	6 845	41 635
Other crustaceans and molluscs	5 045	22 059	5 473	18 087	5 917	14 049
Other	2 454	8 954	4 199	15 161	2 747	14 081
Total	17 898	101 105	27 104	155 759	25 346	133 120
Vietnam						
Frozen whole fish	392	1 282	391	1 233	336	1 179
Frozen fillets	11 214	42 412	11 307	50 304	14 283	53 789
Canned fish	179	1 011	236	1 073	328	1 519
Smoked, dried or salted fish	83	498	104	543	129	778
Other fish preparations	439	1 550	499	2 273	549	2 214
Prawns	6 856	72 310	7 229	85 791	4 856	52 951
Scallops	43	401	32	366	14	141
Oysters	0	0	0	0	0	0
Mussels	1	7	1	8	0	2
Canned crustaceans and molluscs	633	5 358	365	3 484	2 101	20 655
Other crustaceans and molluscs	1 815	6 192	1 895	7 253	1 828	6 379
Other	447	1 850	616	2 618	652	2 702
Total	22 100	132 869	22 674	154 946	25 076	142 309
New Zealand						
Fresh and chilled whole fish	5 398	34 854	5 864	42 816	6 302	49 574
Frozen whole fish	1 730	6 238	1 908	7 550	2 323	10 054
Fresh and chilled fillets	192	1 784	284	3 266	336	3 653
Frozen fillets	8 437	49 268	9 526	58 831	9 916	62 933
Canned fish	1	6	33	93	5	91
Smoked, dried or salted fish	53	1 161	194	2 952	253	3 955
Other fish preparations	3 229	15 945	5 592	28 780	4 615	24 654
Lobster	0	1	1	39	0	0
Scallops	1	5	1	26	1	28
Squid	3 983	16 674	2 997	11 082	2 628	8 499
Oysters	673	5 710	827	6 725	717	7 128
Mussels	2 043	7 880	2 259	9 024	2 169	8 906
Canned crustaceans and molluscs	1 894	11 390	1 855	11 773	1 888	11 174
Other crustaceans and molluscs	72	4 503	124	5 333	121	4 969
Extracts and pastes	0	0	0	0	0	0
Other	1 416	4 354	1 360	4 154	1 832	3 393
Total	29 121	159 773	32 828	192 444	33 107	199 010

Continued

38 Seafood imports from selected countries, by product – Australia [a] *continued*

	2005-06		2006-07		2007-08	
	t	$'000	t	$'000	t	$'000
Thailand						
Frozen whole fish	570	1 264	491	1 170	163	391
Fillets	0	0	102	1 306	122	1 620
Canned fish	36 952	143 119	36 373	150 631	39 326	177 728
Smoked, dried or salted fish	21	178	56	337	56	317
Other fish preparations	4 524	14 352	4 818	15 375	5 630	17 186
Prawns	6 123	46 169	5 503	48 231	4 695	38 617
Lobster	215	3 197	155	2 285	175	2 349
Scallops	257	2 860	365	4 695	293	2 796
Mussels	30	86	12	40	11	31
Canned crustaceans and molluscs	4 857	36 232	4 463	32 596	4 860	31 981
Other crustaceans and molluscs	2 303	11 317	2 572	12 683	2 407	11 190
Extracts and pastes	0	0	0	0	0	0
Other	2 153	11 639	1 784	9 483	2 097	11 134
Total	58 006	270 413	56 695	278 831	59 834	295 340
United States						
Frozen whole fish	1 405	518	630	904	400	259
Frozen fillets	402	1 441	449	1 810	680	2 480
Canned fish	4 687	21 577	6 151	31 946	5 070	23 486
Smoked, dried or salted fish	15	43	0	0	0	2
Other fish preparations	97	667	55	765	88	1 079
Scallops	72	1 406	74	1 365	21	363
Canned crustaceans and molluscs	28	67	0	0	0	0
Other crustaceans and molluscs	247	568	250	653	301	551
Other	252	996	310	2 093	171	1 141
Total	7 205	27 283	7 919	39 536	6 731	29 361
APEC region						
Fresh and chilled whole fish	5 514	35 342	6 199	44 577	6 661	50 965
Frozen whole fish	6 088	15 144	4 895	14 791	5 044	17 441
Fresh and chilled fillets	501	4 509	633	6 707	655	6 729
Frozen fillets	15 533	86 037	18 277	106 958	19 224	119 982
Canned fish	47 897	194 908	47 875	209 754	49 366	224 379
Smoked, dried or salted fish	525	6 252	662	8 117	676	8 810
Other fish preparations	11 445	49 196	15 052	70 873	16 140	76 045
Prawns	0	0	0	0	0	0
Lobster	452	8 451	390	8 369	497	10 128
Scallops	2 238	28 832	2 600	29 139	2 266	26 011
Oysters	678	5 808	837	6 841	726	7 270
Mussels	2 112	8 390	2 284	9 220	2 183	8 959
Canned crustaceans and molluscs	12 151	81 338	14 205	96 445	16 539	105 946
Other crustaceans and molluscs	14 332	69 407	14 709	63 056	14 751	51 222
Extracts and pastes	0	0	0	0	0	0
Other	15 501	104 468	19 049	138 674	15 666	106 801
Total	134 966	698 082	147 666	813 521	150 393	820 687

a Excludes live imports.

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