



Australian **mineral statistics**

2008

June quarter 2008

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Contents

Main features	1
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Graphs

Australian energy and mineral exports	2
Resources sector indicators	10
Mineral resources prices	16

Tables

	Fiscal year export summary	3
	Fiscal year production summary	5
1	Production summary	11
2	Volume of mine production indexes	12
3	Exports summary	12
4	Mineral resources export unit returns	13
5	Imports summary	14
6	Private mineral exploration expenditure	14
7	Mineral resources prices	15
8	Aluminium	18
9	Coal	19
10	Copper	21
11	Diamonds and other gemstones	22
12	Gold	23
13	Iron	24
14	Lead	25
15	Manganese	26
16	Nickel	27
17	Petroleum	28
18	Petroleum production, by basin	31
19	Sales of petroleum products, by state marketing area	32
20	Phosphate	33
21	Salt	33
22	Silver	34
23	Tin	35
24	Titanium	36
25	Uranium	37
26	Zircon	38
27	Zinc	38

Data sources

The statistics in this publication are obtained from several sources, as follows.

- The bulk of mine production data (other than petroleum) is obtained from companies, published company reports and ABARE estimates. Data are supplemented where necessary by information from state mines departments (or their equivalents).
- Petroleum production and sales are based on data obtained from the Resources Division of the Australian Government Department of Resources, Energy and Tourism.
- Smelter and refinery production data are provided by companies operating the major smelters and refineries.
- Trade data are obtained from official ABS compiled statistics, supplemented by ABARE estimates where necessary.
- Price information is from published sources.

The assistance of the organisations supplying data is gratefully acknowledged by ABARE.

Note on mine production data

In most instances, data refer to actual mine output. However, in a small number of cases, despatches or sales data are used as proxies for production.

Quantities of minerals produced are reported in terms of the product in which they leave each mine site. This includes various stages of ore dressing, processing and elementary smelting where these are carried out in an associated plant at, or near, the mine. The output is recorded as ore where no treatment is undertaken at the mine, or as a concentrate where ore dressing operations are carried out.

Definitions

Definitions and explanations

Small discrepancies in totals are generally due to the rounding of components.

zero is used to denote nil or a negligible amount.

p denotes a preliminary figure.

s denotes an ABARE estimate.

Australian merchandise exports: are valued on a free on board (fob) basis at the Australian port of export. The costs of freight, insurance and other distributive services beyond the Australian customs border are not included.

Australian merchandise imports: are valued on a customs value for duty (vfd) basis that is identical to a free on board (fob) basis. The customs vfd is the price actually paid at the port of origin, including inland freight & insurance costs incurred in delivering the commodity to the port of origin. The freight and insurance costs of delivering the commodity(s) to the Australian port of destination are excluded.

Accounting of international merchandise trade: the valuation of Australian merchandise exports and imports used in the accounting of international trade in the Australian Balance of Payments and the international trade statistical system are in accordance with the definitions published in the harmonised international standards determined by the International Monetary Fund, *Balance of Payments Manual* (version 5), 1993 and the United Nations, *System of National Accounts*, 1993.

Common abbreviations and conversions

kg	kilogram	2.20462 lb (pounds)
t	tonne	1000 kilograms
kt	kilotonne	1000 tonnes
Mt	megatonne	1 000 000 tonnes
mtu	metric ton unit	10 kilograms
ct	metric carat	
L	litre	1.761 pints
kL	kilolitre	1000 litres
ML	megalitre	1 000 000 litres
Mm ³	million cubic metres	1 000 000 cubic metres
bbf	barrel	159 litres
oz	troy ounce	0.031 kilograms
\$m	million dollars (Australian)	
fob	free on board	
for	free on rail	
fot	free on truck	
cif	cost, insurance and freight	

Main features

Overview

2007-08 highlights

- The index of Australian mineral export prices increased by 25 per cent in 2007-08, with the growth underpinned by a 54 per cent increase in the index of energy export prices.
- In 2007-08, earnings from Australia's mineral resource exports increased by 11 per cent to \$116 billion.
- Export volumes were higher for most major commodities including iron ore, thermal and metallurgical coal, zinc, copper and aluminium.
- Australian production of energy and minerals was steady in 2007-08, with higher production of metallic metals broadly offsetting lower production of energy minerals.

Prices

In 2007-08, the index of export prices of Australian mineral resources (export unit returns) increased by 25 per cent compared with 2006-07. Record price increases for energy minerals during the year, such as oil (53 per cent), thermal coal (19 per cent) and liquefied natural gas (LNG) (16 per cent), underpinned this rise, with the index of energy export prices increasing by 54 per cent. Prices for metals and other minerals also increased by nearly 8 per cent as higher world prices for gold, silver, lead and copper offset price declines for zinc, nickel and aluminium.

A significant proportion of the growth in the index of export prices occurred in the June quarter with total mineral export prices increasing by 21 per cent compared with 4 per cent in the previous quarter. The growth in the June quarter reflects the increase in contract prices of metallurgical and thermal coal, and iron ore, which took effect from April, as well as higher crude oil and gold prices.

Exports

Total earnings from Australia's mineral resource exports increased by 11 per cent to \$116 billion in 2007-08. This result reflects the combination of higher prices for energy and some mineral commodities and growth in export volumes for most commodities. These factors more than offset the effect of a 14 per cent appreciation of the Australian dollar.

Australian energy and mineral exports

Percentage change in 2007-08

	export volume	export value	prices
crude oil ^a	—	▲ 26%	▲ 53%
lng	▼ -3%	▲ 12%	▲ 16%
lpg	▼ -8%	▲ 14%	▲ 24%
metallurgical coal	▲ 4%	▲ 5%	▲ 1%
refinery products	▲ 3%	▲ 18%	▲ 15%
thermal coal	▲ 3%	▲ 23%	▲ 19%
uranium oxide (U ₃ O ₈) ^a	▲ 7%	▲ 34%	▼ -1%
alumina	▲ 5%	▼ -7%	▼ -11%
aluminium (ingot metal) ^a	▲ 1%	▼ -12%	▼ -1%
bauxite	▲ 39%	▲ 35%	▼ -3%
copper ^a	▲ 5%	▲ 3%	▲ 10%
diamonds	▼ -33%	▼ -9%	▲ 36%
gold ^a	▼ -5%	▲ 6%	▲ 29%
iron and steel	▼ -19%	▼ -10%	▲ 11%
iron ore and pellets	▲ 14%	▲ 31%	▲ 15%
lead ^a	▼ -11%	▲ 33%	▲ 82%
manganese ore and concentrate	▲ 10%	▲ 218%	▲ 189%
nickel ^a	—	▼ -33%	▼ -25%
silver ^a	na	▼ -15%	▲ 21%
tin ^a	▲ 65%	▲ 71%	▲ 58%
titanium and zircon	—	▼ -9%	▼ -10%
zinc ^a	▲ 14%	▼ -22%	▼ -29%

^a Prices in US dollars. All other prices are export unit values denominated in Australian dollars

Fiscal year export summary

export volume				export value			
	unit	2006-07	2007-08		unit	2006-07	2007-08
Bauxite	kt	5 700	7 917	Bauxite	\$m	153	206
Alumina ^d	kt	15 056	15 739	Alumina ^d	\$m	6 243	5 811
Aluminium (ingot metal)	kt	1 638	1 650	Aluminium (ingot metal)	\$m	5 650	4 971
Coal, black				Coal, Black			
Metallurgical	mt	132	137	Metallurgical	\$m	15 039	15 794
Thermal	mt	112	115	Thermal	\$m	6 758	8 336
Total	mt	244	252	Total	\$m	21 797	24 129
Copper ^{bs}	kt	699	732	Copper ^b	\$m	6 526	6 698
Diamonds ^{es}	'000 ct	24 632	16 544	Diamonds ^{cs}	\$m	726	664
Gold ^{bs}	t	400	381	Gems, other than diamonds	\$m	49	52
Iron				Iron			
Iron ore and pellets	kt	257 365	293 753	Iron ore and pellets	\$m	15 512	20 273
Iron and steel	kt	2 648	2 134	Iron and steel	\$m	1 743	1 562
Lead ^{bs}	kt	635	567	Lead ^b	\$m	1 579	2 105
Manganese ore and concentrate	kt	4 667	5 142	Manganese ore and concentrate	\$m	482	1 532
Nickel ^{bs}	kt	166	166	Nickel ^{bs}	\$m	6 372	4 239
Petroleum				Petroleum			
Crude oil and other refinery feedstock	ml	15 965	15 971	Crude oil and other refinery feedstock	\$m	8 317	10 489
LNG	ml	15	15	LNG	\$m	5 222	5 854
LPG	ml	2 824	2 588	LPG	\$m	1 038	1 181
Refinery products	ml	1 762	1 811	Refinery products	\$m	1 098	1 296
Salt	kt	10 749	10 686	Salt	\$m	239	232
Tin ^b	t	1 867	3 075	Silver, refined	\$m	221	187
Titanium Ilmenite concentrate	kt	999	894	Tin ^b	\$m	25	43
Leucoxene concentrate	kt	123	56	Titanium Ilmenite concentrate	\$m	113	104
Rutile concentrate	kt	307	399	Leucoxene concentrate	\$m	35	15
Synthetic rutile ^s	kt	508	513	Rutile concentrate	\$m	259	277
Titanium dioxide pigment	kt	171	175	Synthetic rutile ^s	\$m	361	305
Uranium oxide (U ₃ O ₈)	t	9 519	10 139	Titanium dioxide pigment	\$m	408	375
Zinc ^b	kt	1 321	1 506	Uranium oxide (U ₃ O ₈)	\$m	660	887
Zircon concentrate	kt	555	637	Zinc ^b	\$m	4 298	3 366
				Zircon concentrate	\$m	478	421
				Other mineral resources ^f	\$m	4 657	7 739
				Total mineral resources ^g	\$m	104 587	115 925
				Total merchandise	\$m	169 535	184 148
				Total goods and services	\$m	215 647	235 110

a Includes aluminium hydroxide. b Metallic content of all ores, concentrates, intermediate products (where applicable) and refined metal. c Unsorted and sorted. d Includes metal content of ores and concentrates, intermediate products and nickel metal. e Value of all ores, concentrates, intermediate products (where applicable) and refined metal. f Derived as the difference between total mineral resources exports, below, and the sum of the above items. g Total mineral resource exports on an ABARE balance of payments basis. p Preliminary. s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

In 2007-08, there were significant increases in export earnings for: iron ore, up \$4.8 billion (31 per cent) to \$20 billion; crude oil and condensate, up \$2.2 billion (26 per cent) to \$10.5 billion; thermal coal, up \$1.6 billion (23 per cent) to \$8.3 billion; manganese ore, up \$1.1 billion (218 per cent) to \$1.5 billion; metallurgical coal, up \$755 million (5 per cent) to \$15.8 billion; LNG, up \$632 million (12 per cent) to \$5.9 billion; refined gold, up \$582 million (6 per cent) to \$10.9 billion and uranium, up \$227 million (34 per cent) to \$887 million. Apart from gold, LNG and lead, which recorded declining export volumes, higher export values for the other commodities reflect both increased volumes shipped and higher export prices.

Commodities which recorded a decline in export earnings in 2007-08 include: nickel, down \$2.1 billion (33 per cent) to \$4.2 billion; zinc, down \$932 million (22 per cent) to \$3.4 billion; aluminium, down \$679 million (12 per cent) to \$5 billion; and alumina, down \$432 million (7 per cent) to \$5.8 billion.

The decline in the export values for zinc, aluminium and alumina reflect lower prices more than offsetting higher export volumes, while the fall in the value of nickel earnings is the result of both lower export volumes and lower world prices.

Production

In June 2008, a fire at Apache Energy's Varanus Island, off the coast of Western Australia, cut the state's domestic gas supply by 30 per cent. Varanus Island is a major supplier of energy to Western Australia's mining and processing industry. The incident left a number of mines and processing facilities with reduced gas supplies, forcing these operations to switch to higher priced diesel or alternative gas supplies. Most companies were able to source alternative energy supplies, meaning production was affected at only a small number of operations. Those affected included Minara Resources' nickel project, Iluka's mineral sands operations and Newcrest Mining's Telfer operation. In mid-August, partial supply from Varanus Island had resumed with full supply scheduled to resume by the end of the year.

Australian production of energy and minerals was steady in 2007-08, with higher production of metallic metals broadly offsetting lower production of energy minerals.

Commodities for which production increased included: lead bullion (33 per cent), rutile concentrate (19 per cent), zinc ores and concentrates (14 per cent), iron ore (13 per cent) and silver ores and concentrates (12 per cent).

Fiscal year production summary

	unit	2006-07	2007-08 p	change %
Bauxite	kt	62 684	63 131	0.7
Alumina	kt	18 506	19 359	4.6
Aluminium (ingot metal)	kt	1 954	1 965	0.6
Coal				
Black, salable	mt	324	325	0.3
Copper				
Mine bs	kt	859	862	0.3
Blister c	kt	389	393	1.0
Refined s	kt	435	442	1.6
Diamonds	'000 ct	24 632	16 544	-32.8
Gold				
Mine bs	t	249	227	-8.8
Refined	t	360	364	1.1
Iron				
Iron ore and concentrate s	kt	287 653	324 705	12.9
Iron and steel s	mt	8 010	8 121	1.4
Lead				
Mine bs	kt	642	641	-0.2
Bullion c	kt	114	152	33.3
Refined	kt	191	203	6.3
Manganese s	kt	5 071	5 436	7.2
Nickel				
Mine bs	kt	191	190	-0.5
Intermediate	kt	57	45	-21.1
Refined, class 1	kt	104	105	1.0
Refined, class 2	kt	15	15	0.0
Petroleum, field				
Crude oil and condensate s	ml	28 557	25 647	-10.2
LPG (naturally occurring)	ml	4 550	3 971	-12.7
Natural gas	mm ³	39 331	39 281	-0.1
Petroleum, total refinery	ml	38 795	39 575	2.0
Salt s	kt	10 857	11 243	3.6
Silver				
Mine bs	t	1 674	1 867	11.5
Refined	t	618	606	-1.9
Tin				
Mine bs	t	3 367	1 631	-51.6
Refined s	t	321	0	-100.0
Titanium				
Ilmenite concentrate s	kt	2 383	2 205	-7.5
Leucoxene concentrate	kt	169	156	-7.7
Rutile concentrate s	kt	279	333	19.4
Synthetic rutile s	kt	729	672	-7.8
Titanium dioxide pigment s	kt	207	201	-2.9
Uranium oxide (U ₃ O ₈)	t	9 594	10 151	5.8
Zinc				
Mine bs	kt	1 375	1 571	14.3
Refined	kt	496	508	2.4
Zircon concentrate	kt	557	580	4.1

a Quarterly data are not available. b Total metallic content of minerals produced. c Metallic content. p Preliminary. s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; Coal Services Pty Limited; Queensland Government, Department of Natural Resources and Mines; ABARE.

Lead bullion production increased in 2007-08 as recent expansions to the Mt Isa zinc-lead concentrator in Queensland and the mining of higher grade ores increased smelter output. Rutile concentrate production was also higher as a result of increased production at Consolidated Rutile and Iluka's Queensland Douglas operation, offsetting lower production at Iluka's Western Australian operations. Silver ores and concentrates production recovered in 2007-08, as annual production at BHP Billiton's Cannington mine in Queensland returned to capacity following maintenance in 2006-07. Zinc production was higher as a result of one-off production at Perilya's Beltana mine in South Australia and increased production at Century, Cannington and Mt Isa mines in Queensland. Iron ore production was also higher as BHP Billiton, Rio Tinto and Fortescue Minerals increased output from new mines in Western Australia.

Commodities which recorded a decline in production included: refined tin (100 per cent), diamonds (33 per cent), intermediate nickel (22 per cent), crude oil and condensate (10 per cent) and mined gold (9 per cent).

Production from Australia's only refined tin project, Sons of Gwalia's Greenbushes project in Western Australia, ceased in early 2007 when the company's administrators closed the mine. This meant no refined tin was produced in Australia in 2007-08.

Diamond production was lower as a result of variability in mine production at Rio Tinto's Argyle mine in Western Australia where the open pit operation is approaching the end of its life and the company continues its transition toward an underground operation. Production at Argyle was also affected by cyclone activity in the March quarter which increased water levels at the mine, restricting access to higher grade ores.

Intermediate nickel production was lower as a result of reduced output from the Kalgoorlie nickel refinery in Western Australia. Production of crude oil and LPG declined in 2007-08 because of technical difficulties at a number of oil fields and natural field decline. Gold production was also lower as a result of the closure of a number of gold operations with lower production also reflecting the mining of lower grade ores.

Commodity highlights

Energy

Oil and gas

In 2007-08, Australia's oil production totalled 25.6 gigalitres, 10 per cent less than the previous year. Naturally occurring LPG production declined by 13 per cent to 3971 million litres and natural gas remained steady at around 39 000 million cubic metres. This was despite the temporary shutdown of the Varanus Island plant in early June. The lower oil and LPG production reflects a combination of equipment failures at a number of fields, including Mutineer-Exeter and Lamarina-Corallina in Western Australia, as well as natural field decline. Cyclones also disrupted production at a number of fields off the north-western Australian coast at the end of 2007. Some of the production losses were partly offset by increased production from the Enfield, Cossack-Pioneer and Stybarrow fields located off the coast of Western Australia.

Export earnings from petroleum products increased by 20 per cent to \$18.8 billion in 2007-08. With a high crude oil price being the main reason for higher export earnings.

Coal

Australian production of both raw and saleable black coal was steady in 2007-08. Estimated higher production in New South Wales was offset by lower production in Queensland during the March quarter as a result of heavy rainfall which forced a number of mines in the Bowen Basin to declare force majeure.

Export earnings from black coal increased by 11 per cent to more than \$24 billion in 2007-08. The higher export value partially reflects increased contract prices for both thermal and metallurgical coal which took effect from April.

Uranium

Australia's uranium production (U_3O_8) increased 557 tonnes (6 per cent) to 10 151 tonnes in 2007-08, as production increased at BHP Billiton's Olympic Dam mine in South Australia and Energy Resources Australia's Ranger mine in the Northern Territory. In line with higher export volumes and higher assumed contract prices, the value of Australian uranium exports increased by 34 per cent to \$887 million.

Metals and other minerals

Iron ore

Iron ore production was higher for 2007-08 as BHP Billiton successfully completed its Rapid Growth 3 project and Rio Tinto increased production at recently commenced projects, Yandicoogina and Hope Downs both in Western Australia. In addition, the start-up of Fortescue Minerals Cloud Break operation, also in Western Australia, helped to further boost production. Export earnings from iron ore and pellets increased by 31 per cent to \$20.3 billion, reflecting higher export volumes and prices.

Gold

Australia's gold mine production fell by 22 tonnes (9 per cent) to 227 tonnes in 2007-08, the lowest since 1989. This fall reflects lower production from established mines, under performance of new projects and the closure of several older mines. Export earnings from gold increased by 6 per cent to \$10.9 billion in 2007-08, as a 29 per cent increase in world prices more than offset lower export volumes.

Copper

Copper mine production remained flat at around 862 000 tonnes in 2007-08, with lower production at established mines being offset by higher production at new operations such as the Lady Annie mine in Queensland and the Jaguar mine in Western Australia. Refined production of copper was slightly higher in 2007-08, reflecting higher output at the Townsville refinery and CopperCo's new SX-EW project both in Queensland. Copper export values in 2007-08 increased by 3 per cent to 6.7 billion, reflecting higher export prices.

Nickel

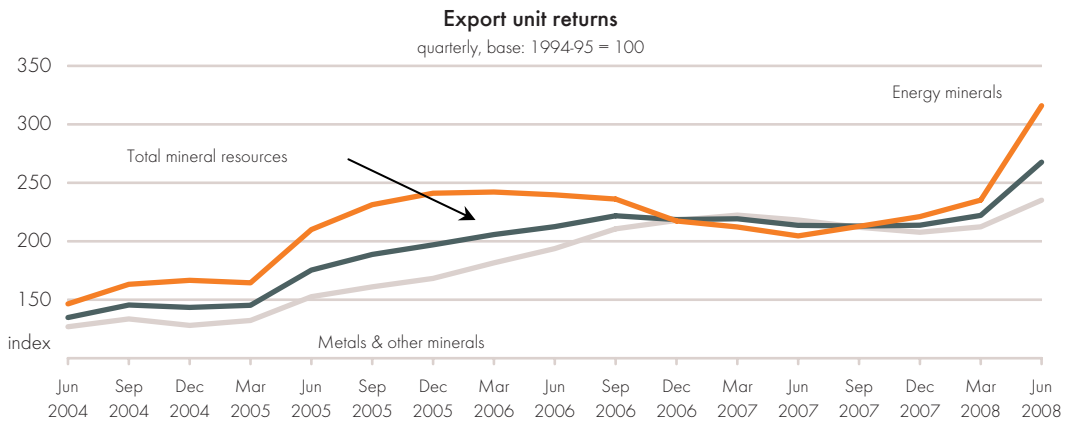
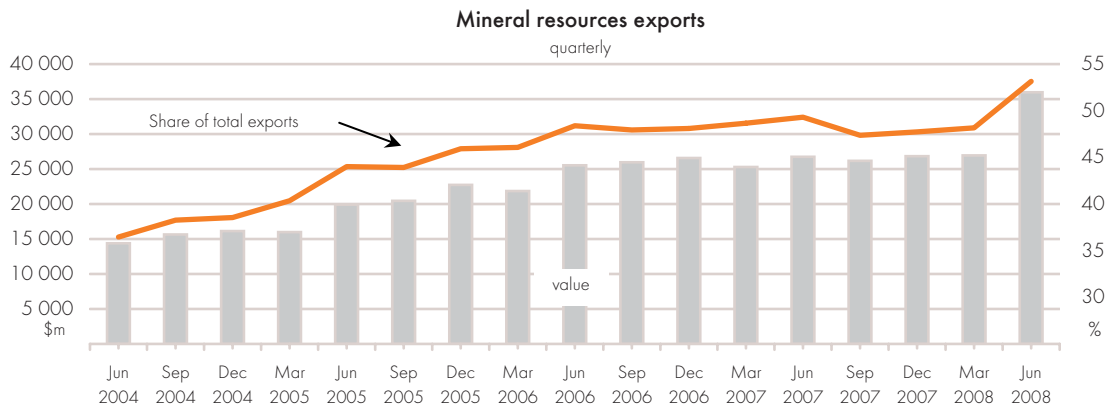
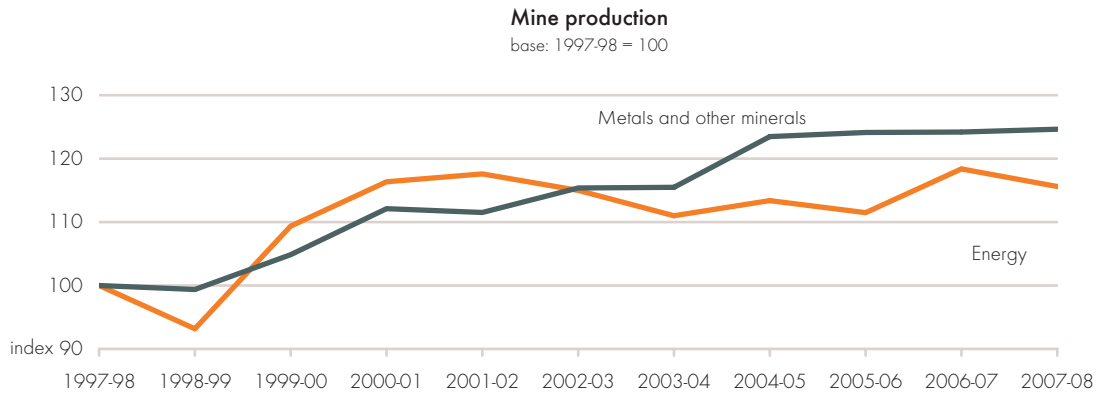
Australian nickel mine production was stable at around 190 000 tonnes in 2007-08. Lower production in Western Australia at mines such as Minara Resources' Murrin Murrin and BHP Billiton's Nickel West was offset by the commencement of Western Areas' Forrestania project. Intermediate nickel production was 22 per cent lower in 2007-08, partly reflecting the closure of the Kalgoorlie nickel refinery in Western Australia. The refinery is being rebuilt and is expected to be in operation by November 2008. Despite the refinery closure, Australian refined nickel production remained stable. The value of nickel exports declined by 33 per cent to \$4.2 billion in 2007-08, reflecting a 25 per cent decline in world prices.

Zinc

Zinc mine production increased by almost 200 000 tonnes (14 per cent) to 1.6 million tonnes in 2007-08. The largest contributor to this increase was Perilya's Beltana zinc mine in South Australia, which operated for a period of twelve months to take advantage of high zinc prices.

Operations at the mine ceased in February 2008. Increased production also occurred at the Century and Cannington mines in Queensland. Refined zinc production was largely unchanged, reflecting no new additions to capacity during the year. Export earnings from zinc were 22 per cent lower at \$3.4 billion in 2007-08, as lower zinc prices more than offset higher volumes shipped.

Resources sector indicators



1 Production summary

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Bauxite	kt	62 684	63 131	15 288	15 621	15 426	16 063	15 905	15 736
Alumina	kt	18 506	19 359	4 447	4 671	4 802	4 924	4 792	4 841
Aluminium (ingot metal)	kt	1 954	1 965	482	488	493	494	486	492
Coal									
Black, raw	Mt	414	417	99	106	112	103	92	110
Black, salable	Mt	324	325	77	82	85	80	74	86
Brown ^{as}	Mt	66	72	na	na	na	na	na	na
Copper									
Mine ^{bs}	kt	859	863	220	213	200	238	205	219
Blister ^c	kt	389	393	108	103	80	108	88	117
Refined ^s	kt	435	442	119	113	90	120	101	131
Diamonds	'000 ct	24 632	16 544	3 582	4 524	4 980	6 145	2 277	3 142
Gold									
Mine ^{bs}	t	249	227	61	62	60	62	52	54
Refined	t	360	364	92	99	84	100	99	81
Iron									
Iron ore and concentrate ^s	kt	287 653	324 705	67 296	75 778	74 202	81 733	79 935	88 835
Iron and steel ^s	Mt	8 010	8 121	1 982	2 001	2 058	2 006	2 010	2 047
Lead									
Mine ^{bs}	kt	642	641	166	157	158	160	169	154
Bullion ^c	kt	114	152	25	32	34	34	41	42
Refined	kt	191	203	47	60	44	51	52	56
Manganese ^s	kt	5 071	5 436	1 229	1 345	1 355	1 360	1 254	1 468
Nickel									
Mine ^{bs}	kt	191	190	47	46	44	47	49	50
Intermediate	kt	57	45	15	13	13	12	13	7
Refined, class 1	kt	104	105	23	25	27	25	27	26
Refined, class 2	kt	15	15	5	4	2	3	4	6
Petroleum, field									
Crude oil and condensate ^s	ML	28 555	25 537	6 558	7 037	6 736	6 390	5 923	6 597
LPG (naturally occurring)	ML	4 550	3 971	1 037	1 077	1 145	1 002	829	995
Natural gas	Mm ³	39 331	39 281	9 059	10 184	10 681	10 031	8 989	9 580
Petroleum, total refinery	ML	38 795	39 575	9 558	10 149	10 343	10 084	9 368	9 780
Salt ^s	kt	10 857	11 243	2 596	2 596	2 899	2 764	2 790	2 790
Silver									
Mine ^{bs}	t	1 674	1 867	474	467	475	464	500	429
Refined	t	618	606	156	156	174	138	149	145
Tin									
Mine ^{bs}	t	2 061	1 631	586	558	391	536	483	221
Refined ^s	t	321	0	68	50	0	0	0	0
Titanium									
Ilmenite concentrate ^s	kt	2 383	2 205	600	572	575	592	545	493
Leucoxene concentrate	kt	169	156	34	50	40	40	26	51
Rutile concentrate ^s	kt	279	333	66	76	80	90	85	77
Synthetic rutile ^s	kt	729	672	175	190	179	182	155	155
Titanium dioxide pigment ^s	kt	207	201	51	52	53	52	50	45
Uranium oxide (U ₃ O ₈)	t	9 594	10 151	2 081	2 670	2 473	2 921	2 510	2 247
Zinc									
Mine ^{bs}	kt	1 375	1 571	324	375	392	423	365	391
Refined	kt	496	508	119	127	127	129	121	131
Zircon concentrate	kt	557	580	135	159	149	157	148	127

^a Quarterly data are not available. ^b Total metallic content of minerals produced. ^c Metallic content. ^p Preliminary. ^s ABARE estimate. ^{na} Not available.

Sources: Australian Bureau of Statistics, Canberra; Coal Services Pty Limited; Queensland Government, Department of Natural Resources and Mines; ABARE.

2 Volume of mine production indexes ^a

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
Energy minerals	116.4	117.6	115.0	111.0	113.4	111.5	118.4	115.6
Metals and other minerals	112.1	111.5	115.4	115.5	123.5	124.1	124.2	124.6
Total minerals	114.5	114.9	115.2	113.3	118.6	118.0	121.0	120.1

^a Uranium included with energy.

Note: ABARE revised the method for calculating production indexes in October 1999. The indexes are now calculated on a chained weight basis using Fishers' ideal index with a reference year of 1997-98 = 100.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

3 Exports summary

		2006-07	2007-08 ^p	quarter					
				2006-07 ^p		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Bauxite	kt	5 700	7 917	1 329	1 575	2 191	2 061	2 005	1 660
Alumina ^a	kt	15 056	15 739	3 546	3 720	3 894	4 103	3 835	3 907
Aluminium (ingot metal)	kt	1 638	1 650	404	398	439	412	415	385
Coal, black									
Metallurgical	Mt	131.97	137.08	32.55	35.08	34.71	35.86	29.64	36.87
Thermal	Mt	111.62	114.85	28.58	27.49	27.59	28.55	29.43	29.29
Copper ^{bs}	kt	699	732	183	167	180	178	191	184
Diamonds ^{cs}	'000 ct	24 632	16 544	3 582	4 524	4 980	6 145	2 277	3 142
Gold ^{bs}	t	399.69	381.27	96.00	117.75	107.84	89.40	89.46	94.58
Iron									
Iron ore and pellets	kt	257 365	293 753	58 624	67 179	68 321	72 759	73 744	78 928
Iron and steel ^s	kt	2 648	2 134	678	663	618	543	497	476
Lead ^{bs}	kt	635	567	157	142	152	169	87	159
Manganese ore									
and concentrate	kt	4 667	5 142	1 107	1 248	1 190	1 326	1 263	1 363
Nickel ^{ds}	kt	166	166	41	42	35	41	45	45
Petroleum									
Crude oil and other									
refinery feedstock	ML	15 965	15 971	3 951	3 734	4 017	4 020	3 980	3 954
LNG	Mt	15.20	14.75	3.95	3.90	3.40	3.70	3.75	3.90
LPG	ML	2 824	2 588	593	686	788	690	595	515
Refinery products	ML	1 762	1 811	395	421	555	507	459	289
Salt	kt	10 749	10 686 ^s	2 575	2 821	2 396	2 822	2 734 ^s	2 734
Tin ^b	t	1 867	3 075	663	550	569	751	1 299	455
Titanium									
Ilmenite concentrate	kt	999	894	248	169	224	234	257	179
Leucoxene concentrate	kt	123	56	46	26	47	3	3	3
Rutile concentrate	kt	307	399	77	82	87	99	102	111
Synthetic rutile ^s	kt	508	513	112	126	131	128	126	128
Titanium dioxide pigment	kt	171	175	40	48	45	44	43	43
Uranium oxide (U ₃ O ₈)	t	9 519	10 139	1 725	2 933	2 486	3 088	2 385	2 180
Zinc ^b	kt	1 321	1 506	293	374	387	406	332	382
Zircon concentrate	kt	555	637	143	152	152	163	161	161

continued

3 Exports summary

continued

		quarter							
		2006-07	2007-08 ^p	2006-07 ^p		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Bauxite	\$m	153	206	41	44	59	53	57	37
Alumina ^a	\$m	6 243	5 811	1 484	1 499	1 530	1 461	1 347	1 473
Aluminium (ingot metal)	\$m	5 650	4 971	1 449	1 360	1 390	1 166	1 209	1 205
Coal, black									
Metallurgical	\$m	15 039	15 794	3 716	3 521	3 358	3 297	2 899	6 239
Thermal	\$m	6 758	8 336	1 715	1 635	1 694	1 802	2 116	2 724
Copper ^e	\$m	6 526	6 698	1 544	1 648	1 657	1 554	1 742	1 744
Diamonds ^{cs}	\$m	726	664	194	125	183	183	141	158
Gems, other than diamonds	\$m	49	52	16	9	13	9	18	11
Gold, refined	\$m	10 320	10 902	2 529	3 030	2 734	2 496	2 851	2 821
Iron									
Iron ore and pellets	\$m	15 512	20 273	3 502	4 085	4 143	4 528	4 954	6 649
Iron and steel ^s	\$m	1 743	1 562	444	431	401	382	342	437
Lead ^e	\$m	1 579	2 105	431	425	514	681	387	522
Manganese ore									
and concentrate	\$m	482	1 532	109	136	209	263	378	682
Nickel ^{es}	\$m	6 372	4 239	1 722	1 928	1 020	1 098	1 160	960
Petroleum									
Crude oil and other									
refinery feedstock	\$m	8 317	10 489	1 922	2 009	2 236	2 541	2 591	3 121
LNG	\$m	5 222	5 854	1 275	1 188	1 173	1 443	1 541	1 698
LPG	\$m	1 038	1 181	218	257	305	319	299	259
Refinery products	\$m	1 098	1 296	229	275	356	368	359	213
Salt	\$m	239	232 ^s	60	62	53	59	60 ^s	60 ^s
Silver, refined	\$m	221	187	52	67	49	46	55	36
Tin ^e	\$m	25	43	9	8	9	7	18	8
Titanium									
Ilmenite concentrate	\$m	113	104	28	20	22	30	31	21
Leucoxene concentrate	\$m	35	15	10	8	9	2	2	2
Rutile concentrate	\$m	259	277	64	74	66	72	71	67
Synthetic rutile ^s	\$m	361	305	78	96	82	78	74	71
Titanium dioxide pigment	\$m	408	375	97	107	101	94	91	90
Uranium oxide (U ₃ O ₈)	\$m	660	887	142	198	285	259	172	171
Zinc ^e	\$m	4 298	3 366	999	1 121	1 138	933	641	654
Zircon concentrate	\$m	478	421	130	113	101	108	107	105
Other mineral resources ^f	\$m	4 657	7 739	1 083	1 270	1 280	1 503	1 229	3 728
Total mineral resources ^g	\$m	104 587	115 925	25 295	26 750	26 173	26 839	26 944	35 969
Total merchandise	\$m	169 535	184 148	40 109	42 794	43 054	43 692	42 753	54 649
Total goods and services	\$m	215 647	235 110	51 981	54 250	55 259	56 226	55 944	67 681

^a Includes aluminium hydroxide. ^b Metallic content of all ores, concentrates, intermediate products (where applicable) and refined metal. ^c Unsorted and sorted. ^d Includes metal content of ores and concentrates, intermediate products and nickel metal. ^e Value of all ores, concentrates, intermediate products (where applicable) and refined metal. ^f Derived as the difference between total mineral resources exports, below, and the sum of the above items. ^g Total mineral resource exports on an ABARE balance of payments basis. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

4 Mineral resources export unit returns ^a

	quarter							
	2006-07 ^p				2007-08 ^p			
	Sept	Dec	Mar	June	Sept	Dec	Mar	June
Energy minerals	236.1	217.4	212.2	204.6	212.8	221.1	235.2	315.9
Metals and other minerals	210.6	217.8	222.4	218.2	212.0	207.7	212.3	235.1
Total mineral resources	221.8	218.6	219.2	213.6	213.0	213.8	222.1	267.7

^a Base: 1994-95 = 100. ^p Preliminary.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

5 Imports summary

		2006-07	2007-08 p	quarter					
				2006-07		2007-08 p			
				Mar	June	Sept	Dec	Mar	June
Quantity									
Diamonds a	'000 ct	3 430	2 964	789	817	803	930	620	611
Iron ore	kt	4 722	4 401	757	1 017	1 098	1 345	1 074	884
Ingot steel	kt	2 318	1 850	657	513	489	456	412	493
Ferroalloys	kt	87	97	14	17	17	18	38	24
Petroleum									
Crude oil and other refinery feedstock	ML	25 345	26 220	6 600	6 594	6 965	7 141	6 382	5 732
Natural gas	kt	4 268	4 032	1 095	1 157	1 158	637	1 212	1 024
Refinery products	ML	14 018	18 026	3 281	4 103	3 630	4 083	5 070	5 243
Phosphate rock	kt	472	707	55	148	93	279	109	226
Value									
Diamonds a	\$m	397	444	106	102	104	120	113	107
Gold b	\$m	5 309	7 311	1 290	1 537	1 882	1 414	1 905	2 110
Iron ore	\$m	338	311	60	89	84	92	73	62
Ingot steel	\$m	2 479	2 225	721	609	562	514	526	623
Ferroalloys	\$m	116	154	22	30	33	35	37	49
Petroleum									
Crude oil and other refinery feedstock	\$m	13 360	17 057	3 196	3 574	3 882	4 434	4 302	4 441
Natural gas	\$m	800	724	210	205	201	97	252	174
Refinery products	\$m	7 784	12 747	1 695	2 283	2 054	2 659	3 599	4 434
Phosphate rock	\$m	32	80	4	11	7	23	8	42
Silver	\$m	98	80	42	4	4	21	26	29
Other	\$m	985	1 272	371	170	227	357	362	326
Total	\$m	31 698	42 405	7 718	8 615	9 040	9 764	11 203	12 398

6 Private mineral exploration expenditure

		2005-06	2006-07	quarter					
				2006-07			2007-08 p		
				Dec	Mar	June	Sept	Dec	Mar
Energy									
Petroleum									
Onshore	\$m	355.8	498.2	144.5	110.3	135.6	113.4	159.8	94.6
Offshore	\$m	906.1	1 727.3	400.0	350.0	596.5	584.9	610.2	614.8
Total	\$m	1 261.9	2 225.5	544.5	460.3	732.1	698.3	770.0	709.4
Coal	\$m	166.4	193.2	60.0	38.8	43.9	50.1	59.8	54.1
Uranium	\$m	56.1	114.1	27.6	24.3	37.5	50.0	69.6	49.2
Total energy	\$m	1 484.4	2 532.8	632.1	523.4	813.5	798.4	899.4	812.7
Metals and other minerals									
Copper	\$m	139.5	234.5	53.5	51.2	77.1	65.2	70.2	64.8
Diamonds	\$m	22.6	26.9	10.2	3.3	4.8	5.0	5.3	6.1
Gold	\$m	399.6	455.9	125.0	103.6	123.0	129.6	146.7	142.4
Iron ore	\$m	161.3	285.4	72.5	54.0	88.8	112.8	98.5	91.9
Mineral sands	\$m	29.2	37.3	10.8	9.5	9.3	7.2	10.5	8.9
Nickel, cobalt	\$m	146.0	181.1	42.8	40.6	57.9	66.8	85.9	64.0
Silver, lead and zinc	\$m	71.2	139.4	34.1	33.5	45.5	56.9	51.5	39.0
Other	\$m	48.8	46.8	11.7	10.5	14.7	19.8	27.9	23.6
Total metals and other minerals	\$m	1 018.2	1 407.3	360.6	306.2	421.1	463.3	496.5	440.7
Total expenditure	\$m	2 502.6	3 940.1	992.7	829.6	1 234.6	1 261.7	1 395.9	1 253.4

Sources: Australian Bureau of Statistics, Canberra; ABARE.

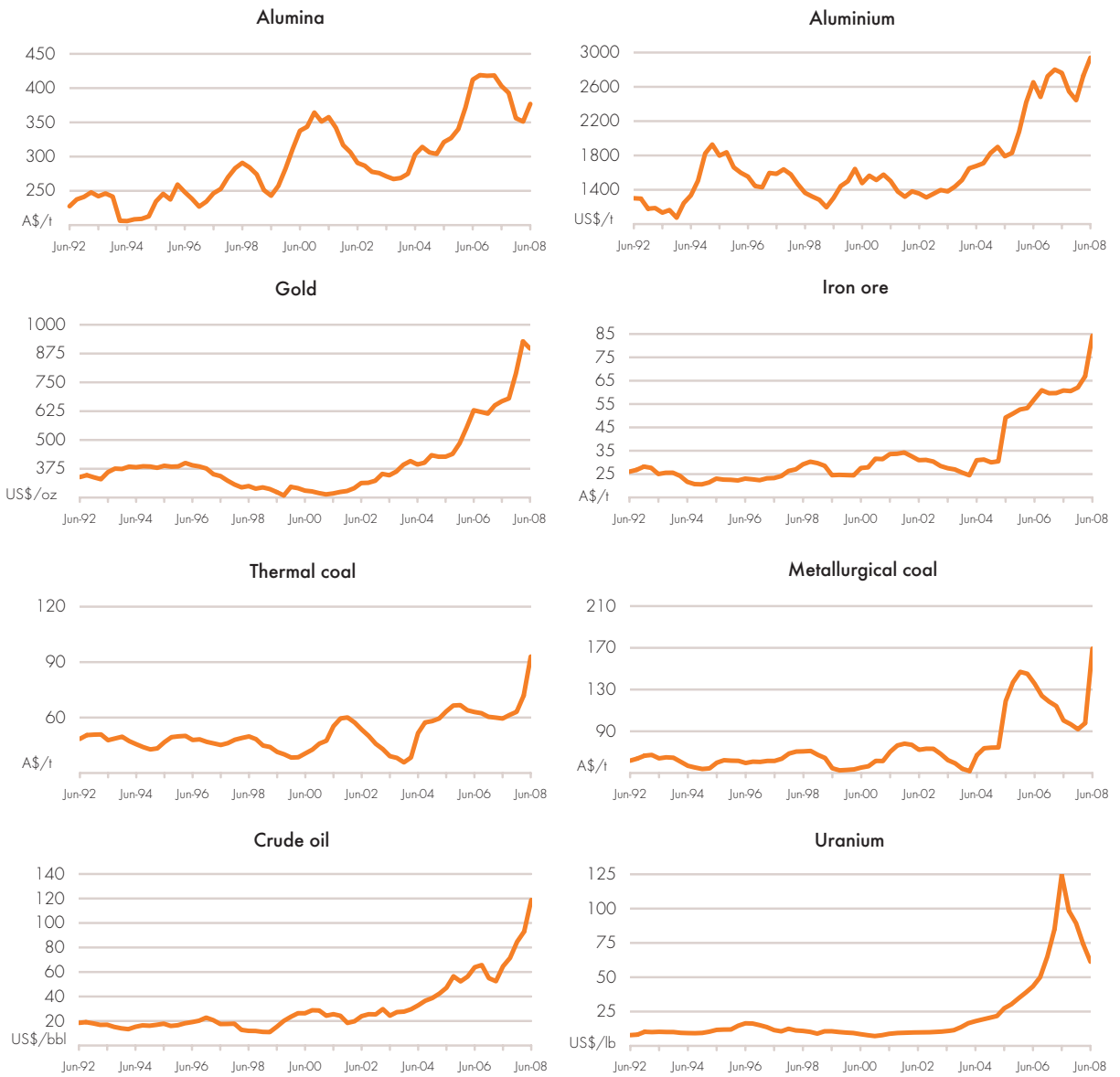
7 Mineral resources prices

	Alumina	Aluminium	Gold	Iron ore ^a	Thermal coal	Metallurgical coal	Crude oil ^b	Uranium ^c
	avg export unit value A\$/t	(high grade) LME cash US\$/t	London AM fix US\$/oz	avg export unit value A\$/t	avg export unit value A\$/t	avg export unit value A\$/t	world trade wtd ave US\$/bbl	Industry spot price US\$/lb
2005-06	362.90	2 244.69	526.95	53.70	65.02	141.13	57.25	36.79
2006-07	414.63	2 692.18	638.56	60.27	60.54	113.96	59.45	81.17
2007-08	369.21	2 665.01	823.35	69.01	72.58	115.22	91.97	80.75
2007								
April	399.41	2 814.79	680.01	60.57	59.88	101.45	63.67	113.00
May	402.63	2 794.69	668.31	61.40	59.52	99.77	63.91	125.00
June	406.91	2 677.45	655.71	60.45	58.95	99.90	66.89	136.00
July	379.18	2 732.91	665.27	59.43	58.23	92.69	72.87	120.00
August	408.13	2 515.77	664.53	61.65	62.87	98.00	69.48	90.00
September	391.37	2 391.25	710.65	60.61	63.22	99.35	73.88	85.00
October	351.16	2 442.37	754.48	58.60	60.33	90.41	78.16	85.00
November	350.42	2 508.25	808.31	62.28	61.67	91.74	88.86	93.00
December	365.25	2 381.69	803.62	65.36	66.50	93.73	87.62	90.00
2008								
January	347.94	2 445.52	887.78	68.56	68.05	93.61	89.87	78.00
February	348.02	2 776.93	924.28	63.99	69.49	96.60	90.84	73.00
March	356.53	3 005.29	971.06	68.16	77.82	103.52	100.48	71.00
April	385.34	2 959.27	911.60	83.59	87.63	126.47	104.98	65.00
May	378.52	2 902.90	889.13	84.94	92.02	170.29	118.93	60.00
June	368.15	2 957.86	889.54	84.18	99.27	204.26	128.06	59.00
	Copper	Lead	Zinc	Silver ^d	Nickel	Ilmenite ^e	Rutile ^f	Zircon ^g
	(high grade) LME cash US\$/t	LME cash US\$/t	(high grade) LME cash US\$/t	London fix US\$/troy oz	LME cash US\$/t	avg export unit value A\$/t	avg export unit value A\$/t	avg export unit value A\$/t
2005-06	5 062.00	1 061.35	2 117.81	927.82	15 487.81	105.92	816.59	908.63
2006-07	7 086.78	1 694.20	3 672.41	1 274.16	37 942.21	112.89	845.61	861.55
2007-08	7 791.82	2 891.49	2 598.83	1 544.29	28 512.09	116.32	693.21	660.98
2007								
April	7 766.47	2 000.95	3 557.47	1 373.84	50 266.84	112.76	808.14	1 051.13
May	7 682.17	2 100.64	3 830.29	1 314.64	52 179.05	85.20	803.33	1 070.32
June	7 475.88	2 425.98	3 603.26	1 314.43	41 718.57	149.96	796.70	1 049.30
July	7 977.05	3 089.50	3 546.91	1 290.93	33 425.68	101.32	722.80	1 071.78
August	7 513.50	3 119.45	3 244.73	1 236.32	27 606.82	96.45	765.74	1 057.47
September	7 648.98	3 226.55	2 896.40	1 283.35	29 537.50	na	758.86	1 045.24
October	8 008.43	3 719.72	2 975.33	1 365.26	31 055.43	na	716.54	1 011.43
November	6 966.70	3 328.18	2 541.32	1 470.16	30 610.23	na	709.63	967.93
December	6 587.67	2 596.08	2 353.08	1 429.87	25 991.94	na	760.17	981.94
2008								
January	7 061.02	2 608.14	2 340.11	1 596.11	27 689.55	na	715.88	950.93
February	7 887.69	3 079.88	2 438.14	1 756.90	27 955.48	na	656.48	964.96
March	8 439.29	3 008.58	2 509.53	1 950.55	31 225.26	na	782.47	872.26
April	8 684.93	2 822.75	2 263.80	1 750.00	28 763.18	na	789.49	861.56
May	8 382.75	2 233.38	2 182.10	1 705.15	25 735.00	na	791.89	842.09
June	8 260.60	1 863.05	1 894.48	1 696.90	22 549.05	na	777.05	850.30

a Lump and fines. **b** US Department of Energy, *Energy Information Administration*. **c** Average of weekly restricted spot price published by The Ux Consulting Company. **d** London fix rate from May 2001; Handy and Harman, commercial bar, minimum 99.9 per cent prior to May 2001. **e** Bulk grade only after January 1992, confidential after August 2007. **f** Bagged only after August 1999. **g** Based on all grades, bagged only from September 1999. **na** Not available.

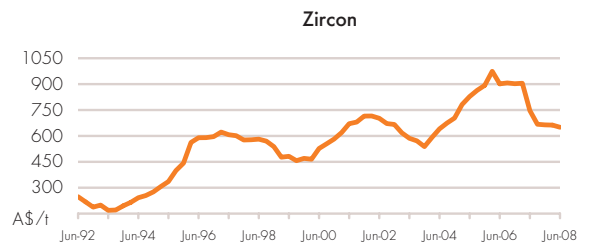
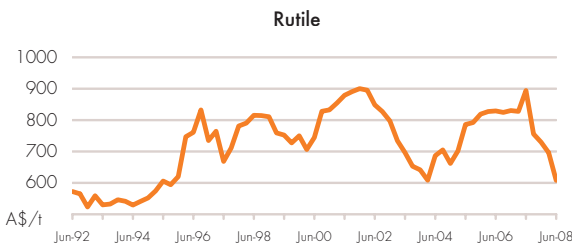
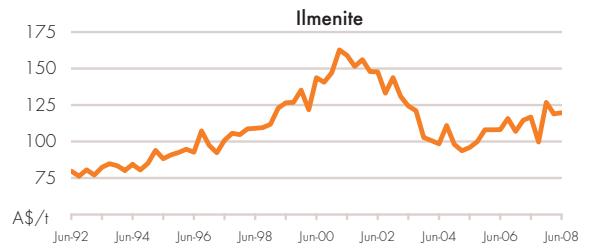
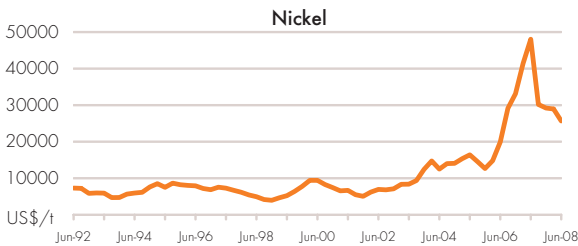
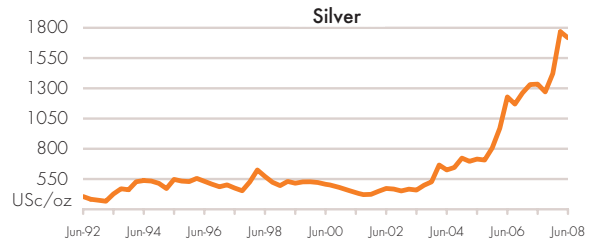
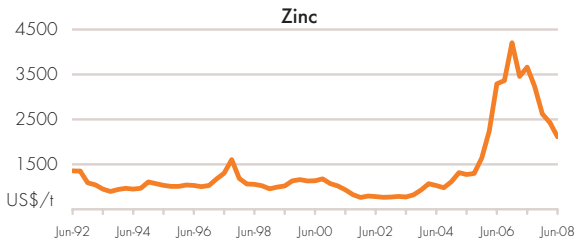
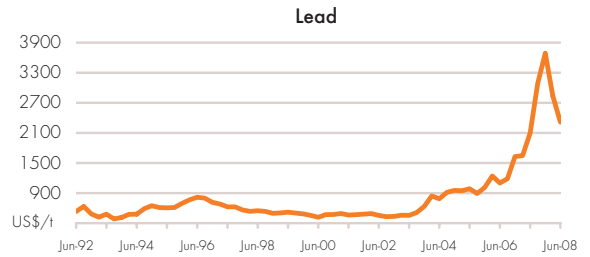
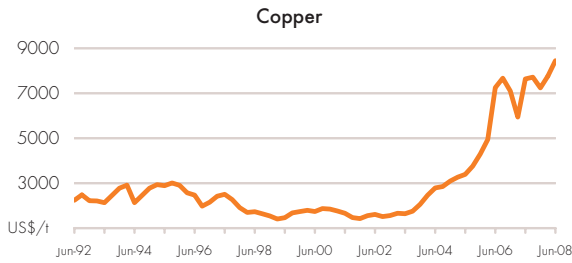
Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; London Bullion Market Association; The Ux Consulting Company; US Department of Energy; ABARE.

Mineral resources prices, ended June 2008



Mineral resources prices, ended June 2008

continued



Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; London Bullion Market Association; The Ux Consulting Company; US Department of Energy, Energy Information Administration; ABARE

8 Aluminium

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Mine									
Bauxite									
Queensland	kt	16 969	16 721	4 272	4 125	4 095	4 285	4 215	4 125
Western Australia	kt	41 363	41 488	9 925	10 409	10 211	10 415	10 363	10 499
Northern Territory	kt	4 352	4 921	1 091	1 087	1 119	1 363	1 327	1 112
Australia	kt	62 684	63 131	15 288	15 621	15 426	16 063	15 905	15 736
Alumina content	kt	23 224	23 381	5 703	5 756	5 698	5 977	5 910	5 795
Smelter and refinery									
Alumina	kt	18 506	19 359	4 447	4 671	4 802	4 924	4 792	4 841
Aluminium (ingot metal)	kt	1 954	1 965	482	488	493	494	486	492
Exports									
Quantity									
Bauxite ^a	kt	5 700	7 917	1 329	1 575	2 191	2 061	2 005	1 660
Alumina ^{bc}	kt	15 056	15 739	3 546	3 720	3 894	4 103	3 835	3 907
Aluminium (ingot metal)									
Chinese Taipei	kt	153	195	30	38	49	53	47	46
Indonesia	kt	78	85	18	21	20	19	24	22
Japan	kt	634	608	157	136	159	139	166	143
Korea, Rep. of	kt	213	233	53	53	65	72	52	44
Malaysia	kt	92	101	25	27	24	29	26	22
Thailand	kt	200	220	51	51	55	53	52	61
Other	kt	268	207	70	72	66	46	48	47
Total	kt	1 638	1 650	404	398	439	412	415	385
Value									
Bauxite ^a	\$m	153	206	41	44	59	53	57	37
Alumina ^{bc}	\$m	6 243	5 811	1 484	1 499	1 530	1 461	1 347	1 473
Aluminium (ingot metal)	\$m	5 650	4 971	1 449	1 360	1 390	1 166	1 209	1 205
Imports									
Quantity									
Bauxite	kt	10	8	2	5	2	2	2	3
Alumina ^b	kt	11	12	4	3	3	3	2	3
Aluminium (ingot metal)	kt	3	3	1	1	1	1	1	1
Value									
Bauxite	\$m	3	3	1	1	0	1	1	1
Alumina ^b	\$m	12	13	3	3	3	3	3	4
Aluminium (ingot metal)	\$m	11	10	3	3	3	2	2	2
Prices									
Alumina ^d	A\$/t	415	369	418	403	393	356	351	377
Aluminium									
LME cash ^e	US\$/t	2 692	2 665	2 801	2 762	2 547	2 444	2 729	2 940
Australia ^d	A\$/t	3 450	3 013	3 586	3 416	3 169	2 833	2 915	3 132

^a Bauxite export quantities are not available prior to September quarter 2004. Bauxite export values up to and including June quarter 2004 are ABARE estimates. ^b Includes aluminium hydroxide. ^c Country details confidential. ^d Average export unit value. ^e High grade. ^p Preliminary. ^s ABARE estimate.
Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.

9 Coal

		2006-07	2007-08 p	quarter					
				2006-07		2007-08 p			
				Mar	June	Sept	Dec	Mar	June
Production									
Mine									
Black coal, raw									
Underground	Mt	93.82	100.62	21.99	25.43	30.11	22.80	21.72	25.99
Opencut	Mt	319.91	316.26	77.30	80.76	81.99	79.95	70.24	84.08
New South Wales	Mt	169.72	177.02	40.79	41.57	45.91	43.21	43.09	44.81
Queensland	Mt	233.47	228.94	55.86	61.98	63.49	56.82	46.13	62.50
Western Australia a	Mt	6.18	6.44	1.55	1.55	1.58	1.60	1.62	1.64
South Australia a	Mt	3.60	3.84	0.91	0.91	0.96	0.96	0.96	0.96
Tasmania a	Mt	0.77	0.64	0.18	0.18	0.16	0.16	0.16	0.16
Australia	Mt	413.74	416.88	99.29	106.19	112.10	102.75	91.96	110.07
Black coal, salable									
Underground	Mt	74.30	82.30	17.01	19.78	23.60	18.83	18.48	21.38
Opencut	Mt	249.62	242.54	60.29	62.18	61.54	61.26	55.19	64.55
New South Wales	Mt	130.88	134.98	31.70	32.32	35.97	32.72	32.26	34.02
Queensland	Mt	182.77	178.96	42.99	47.03	46.48	44.66	38.67	49.16
Western Australia a	Mt	6.10	6.44	1.53	1.53	1.58	1.60	1.62	1.64
South Australia a	Mt	3.60	3.84	0.91	0.91	0.96	0.96	0.96	0.96
Tasmania a	Mt	0.56	0.62	0.17	0.17	0.15	0.15	0.15	0.15
Australia	Mt	323.92	324.83	77.30	81.96	85.14	80.10	73.67	85.93
Brown coal b									
Victoria s	Mt	65.61	72.40	na	na	na	na	na	na
Exports									
Quantity									
Metallurgical coal, high quality									
Brazil	Mt	3.05	3.27	0.75	0.73	0.90	0.98	0.62	0.77
China	Mt	2.41	1.37	1.04	0.36	0.28	0.74	0.35	0.00
Chinese Taipei	Mt	3.47	3.43	0.74	0.88	0.75	0.83	0.79	1.06
European Union 25	Mt	20.20	19.39	4.34	5.33	5.84	4.89	3.40	5.26
India	Mt	16.30	18.95	3.79	4.22	4.86	4.82	4.16	5.11
Japan	Mt	25.42	24.95	6.54	6.73	5.50	6.70	5.34	7.42
Korea, Rep. of	Mt	6.25	6.70	1.80	1.55	1.70	1.44	1.71	1.84
Other	Mt	5.72	5.71	1.43	1.19	1.38	1.43	1.31	1.59
Total	Mt	82.81	83.77	20.42	20.98	21.21	21.83	17.68	23.05
Metallurgical coal, other c									
Chinese Taipei	Mt	4.57	2.96	1.31	1.23	0.83	1.12	0.67	0.33
European Union 25	Mt	4.34	4.63	1.01	1.23	1.42	0.95	1.07	1.18
India	Mt	3.32	5.29	0.78	0.86	1.18	1.35	1.04	1.71
Japan	Mt	23.44	25.36	6.19	6.43	6.61	6.61	6.01	6.14
Other	Mt	13.49	15.07	2.84	4.35	3.46	3.99	3.16	4.46
Total	Mt	49.15	53.30	12.13	14.10	13.50	14.03	11.95	13.82
Total metallurgical coal	Mt	131.97	137.08	32.55	35.08	34.71	35.86	29.64	36.87
Thermal coal									
Chinese Taipei	Mt	16.23	18.56	4.26	4.15	4.09	5.28	4.09	5.10
European Union 25	Mt	3.73	2.14	0.76	1.22	0.09	0.35	1.14	0.56
Japan	Mt	58.64	66.88	15.13	14.93	16.28	17.04	17.41	16.15
Korea, Rep. of	Mt	15.06	18.39	4.12	3.30	4.11	4.04	4.61	5.63
Other	Mt	17.96	8.88	4.32	3.89	3.02	1.83	2.18	1.85
Total	Mt	111.62	114.85	28.58	27.49	27.59	28.55	29.43	29.29

continued

9 Coal

continued

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Exports									
Quantity									
Other coal	Mt	0.80	0.20	0.00	0.17	0.20	0.00	0.00	0.00
Coke ^d	Mt	na	na	na	na	na	na	na	na
Value									
Metallurgical coal									
High quality	\$m	11 010	10 720	2 749	2 456	2 305	2 249	1 960	4 205
Other quality	\$m	4 029	5 074	967	1 066	1 052	1 048	940	2 034
Total metallurgical coal	\$m	15 039	15 794	3 716	3 521	3 358	3 297	2 899	6 239
Thermal coal	\$m	6 758	8 336	1 715	1 635	1 694	1 802	2 116	2 724
Other coal	\$m	48	12	0	10	12	0	0	0
Total coal	\$m	21 845	24 142	5 431	5 166	5 064	5 099	5 016	8 963
Coke	\$m	80	165	25	28	40	19	60	46
Imports									
Quantity									
Coke	Mt	0.04	0.01	0.01	0.01	0.01	0.00	0.00	0.00
Value									
Coke	\$m	6	1	1	1	1	0	0	0
Prices ^e									
Metallurgical coal									
High quality	A\$/t	132.96	127.96	134.59	117.04	108.69	103.05	110.82	182.44
Other quality	A\$/t	81.97	95.19	79.73	75.59	77.95	74.70	78.62	147.14
Thermal coal	A\$/t	60.54	72.58	59.99	59.46	61.41	63.11	71.91	93.00

^a Quarterly data derived from annual ABARE estimates. ^b Quarterly data not available. ^c Country details confidential for various time periods for Brazil, Chinese Taipei, Dem. Peoples Rep. of Korea, Italy, Pakistan and Republic of Korea - commencing from October 1996. ^d Quantity details not available from August 2003. ^e Average export unit value. ^p Preliminary. ^s ABARE estimate. **na** Not available.

Sources: Australian Bureau of Statistics, Canberra; Coal Services Pty Limited; Queensland Government, Department of Natural Resources and Mines; ABARE.

10 Copper

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Mine s									
Copper ore and concentrate	kt	3 060	3 222	768	773	773	797	816	836
Copper content of all minerals produced									
New South Wales ^a	kt	195	146	46	45	39	38	34	35
Queensland ^a	kt	338	392	86	84	88	118	94	92
Western Australia ^a	kt	114	124	27	29	31	31	34	27
South Australia	kt	183	170	54	48	34	43	36	58
Tasmania	kt	29	30	7	7	9	7	7	7
Australia ^a	kt	859	863	220	213	200	238	205	219
Smelter and refinery									
Blister copper (primary) ^b	kt	389	393	108	103	80	108	88	117
Refined copper (primary) ^s	kt	435	442	119	113	90	120	101	131
Exports									
Quantity									
Copper concentrate									
China ^c	kt	394	569	95	54	142	121	189	118
India	kt	493	523	137	149	146	133	161	84
Japan	kt	414	336	86	110	110	75	88	64
Korea, Rep. of	kt	115	183	34	29	61	39	9	74
Other	kt	77	81	0	0	10	10	18	43
Total	kt	1 493	1 693	352	343	469	378	464	382
Refined copper									
Chinese Taipei	kt	88	95	25	27	24	19	21	31
Indonesia	kt	17	19	4	3	2	3	5	8
Japan	kt	2	8	1	0	0	1	0	7
Singapore	kt	5	1	3	0	0	0	1	0
Thailand	kt	40	43	9	8	8	13	8	13
Other	kt	138	130	44	40	22	37	39	32
Total	kt	290	296	86	79	57	73	74	92
Copper content of all primary materials exported ^{ds}	kt	699	732	183	167	180	178	191	184
Value									
Copper concentrate	\$m	3 914	4 155	846	921	1 136	940	1 121	958
Refined copper	\$m	2 612	2 543	698	728	521	614	621	787
Total	\$m	6 526	6 698	1 544	1 648	1 657	1 554	1 742	1 744
Prices ^e									
LME cash	US\$/t	7 087	7 792	5 941	7 637	7 715	7 239	7 763	8 448
Australia	A\$/t	9 063	8 702	7 617	9 221	9 122	8 087	8 617	8 984

^a Includes copper cathode and copper precipitate. ^b Copper content. ^c Excludes Hong Kong. ^d Copper content of all ores and concentrates, slags, residues, intermediate products, refined copper, copper powder and flakes. ^e Based on LME cash, midday, high grade, 25 tonne warrants. ^p Preliminary. ^s ABARE estimate.
Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.

11 Diamonds and other gemstones

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Diamonds									
Northern Territory	'000 ct	10	0	0	0	0	0	0	0
Western Australia	'000 ct	24 622	16 544	3 582	4 524	4 980	6 145	2 277	3 142
Australia	'000 ct	24 632	16 544	3 582	4 524	4 980	6 145	2 277	3 142
Exports									
Quantity									
Diamonds									
Unsorted ^s	'000 ct	24 359	16 282	3 566	4 306	4 960	6 128	2 255	2 939
Sorted									
Gem	'000 ct	272	261	16	218	20	17	22	203
Industrial ^a	'000 ct	1	0	0	1	0	0	0	0
Total ^s	'000 ct	24 632	16 544	3 582	4 524	4 980	6 145	2 277	3 142
Value									
Diamonds									
Unsorted ^s	\$m	602	514	161	100	147	144	100	123
Sorted									
Gem	\$m	124	149	33	25	36	38	40	35
Industrial ^a	\$m	0	0	0	0	0	0	0	0
Total ^s	\$m	726	664	194	125	183	183	141	158
Opals									
Rough	\$m	12	10	3	2	3	2	3	2
Cut and polished	\$m	30	34	9	6	9	7	13	6
Total	\$m	41	45	12	8	12	8	17	8
Sapphires									
Rough	\$m	1	1	0	0	0	0	0	0
Total	\$m	1	1	0	0	0	0	0	0
Other gemstones ^b	\$m	7	7	3	1	2	1	1	3
Total gemstones	\$m	49	52	16	9	13	9	18	11
Imports									
Quantity									
Diamonds									
Unsorted	'000 ct	0	2	0	0	1	1	0	0
Sorted									
Gem	'000 ct	421	493	116	101	135	194	90	74
Industrial ^a	'000 ct	158	166	35	37	98	42	13	13
Dust and powder	'000 ct	2 850	2 303	637	680	569	693	518	524
Value									
Diamonds									
Unsorted	\$m	0	0	0	0	0	0	0	0
Sorted									
Gem	\$m	392	440	104	101	103	118	112	107
Industrial ^a	\$m	3	2	1	0	1	1	1	0
Dust and powder	\$m	2	1	0	0	0	0	0	0
Total	\$m	397	444	106	102	104	120	113	107

^a Excludes dust, powder and unsorted diamonds. ^b Includes cut and polished sapphires from 1 July 2000. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE; Department of Minerals and Energy, Western Australia; Department of Minerals and Energy, Northern Territory.

12 Gold

		2006-07	2007-08 p	quarter						
				2006-07 p		2007-08 p				
				Mar	June	Sept	Dec	Mar	June	
Production										
Mine s										
Gold content of all minerals produced										
	New South Wales	t	32	34	8	9	8	10	8	7
	Victoria	t	7	5	2	1	1	2	1	1
	Queensland	t	21	20	5	5	6	5	4	5
	Western Australia	t	163	142	39	39	38	39	31	34
	South Australia	t	7	6	2	2	2	2	1	2
	Tasmania	t	4	5	1	1	1	1	1	1
	Northern Territory	t	17	16	4	5	4	4	4	4
	Australia	t	249	227	61	62	60	62	52	54
Refinery										
Primary										
	Australian origin	t	208	190	53	50	51	51	45	43
	Overseas origin	t	55	58	13	12	14	14	14	16
Secondary										
	Australian origin	t	5	5	1	1	1	1	1	1
	Overseas origin	t	92	110	25	36	18	34	39	20
	Total	t	360	364	92	99	84	100	99	81
Exports										
Quantity										
Refined and unrefined bullion										
	China	t	0	0	0	0	0	0	0	0
	Hong Kong, China	t	0	1	0	0	0	0	0	1
	India	t	184	141	34	65	39	24	37	41
	Japan	t	12	4	4	0	3	0	0	1
	Korea, Rep. of	t	4	2	1	1	0	0	1	1
	Middle East	t	23	37	8	10	21	2	0	13
	United Arab Emirates	t	23	37	8	10	21	2	0	13
	Singapore	t	18	2	4	5	0	0	0	2
	Switzerland	t	37	28	15	16	24	2	0	2
	Thailand	t	24	20	7	7	4	3	5	9
	United Kingdom	t	71	140	19	9	15	57	46	21
	Other	t	28	7	5	5	2	1	1	3
	Total	t	400	382	96	118	108	89	89	95
Value										
	Refined	\$m	10 320	10 902	2 529	3 030	2 734	2 496	2 851	2 821
Imports										
Value										
	Refined and unrefined bullion	\$m	5 309	7 311	1 290	1 537	1 882	1 414	1 905	2 110
Prices										
	London AM fix	US\$/oz	639	823	650	668	680	789	928	897
	Australia	A\$/oz	814	917	829	805	804	888	1 023	952

p Preliminary. s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Bullion Market Association; ABARE.

13 Iron

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Iron ore and concentrate ^a									
Western Australia ^s	kt	281 117	313 517	65 505	73 973	71 954	78 352	77 262	85 949
South Australia	kt	4 698	8 138	1 189	1 282	1 574	2 494	2 006	2 065
Tasmania	kt	1 838	2 435	602	524	607	617	602	610
Northern Territory	kt	0	615	0	0	68	271	66	211
Australia ^s	kt	287 653	324 705	67 296	75 778	74 202	81 733	79 935	88 835
Iron content ^s	kt	186 074	198 723	46 039	50 126	47 066	50 665	47 834	53 158
Iron and steel ^{bs}	kt	8 010	8 121	1 982	2 001	2 058	2 006	2 010	2 047
Exports									
Quantity									
Iron ore and pellets									
Pellets, sinters and briquettes	kt	718	1 142	335	195	288	356	215	284
Fines	kt	183 106	205 061	41 555	47 978	48 240	51 298	51 345	54 179
Lump and run of mine	kt	73 541	87 549	16 734	19 006	19 793	21 106	22 185	24 465
Total iron ore and pellets									
China ^c	kt	135 291	167 133	30 810	35 343	35 964	40 319	41 664	49 186
Chinese Taipei	kt	9 818	10 411	2 333	2 559	2 649	2 456	2 595	2 711
European Union 25	kt	7 602	5 918	1 797	1 669	1 682	1 069	2 087	1 079
Japan	kt	75 080	78 323	16 826	19 713	20 313	20 457	19 767	17 786
Korea, Rep. of	kt	28 973	31 614	6 806	7 780	7 659	8 258	7 579	8 118
Other	kt	602	354	52	116	53	200	52	49
Total	kt	257 365	293 753	58 624	67 179	68 321	72 759	73 744	78 928
Iron content	kt	159 977	182 760	36 450	41 751	42 485	45 249	45 884	49 142
Steel									
Iron and steel ^s	kt	2 648	2 134	678	663	618	543	497	476
Scrap	kt	1 328	1 783	234	465	297	430	307	748
Value									
Iron ore and pellets									
Pellets, sinters and briquettes	\$m	42	79	23	12	21	21	16	22
Fines	\$m	10 136	13 158	2 280	2 681	2 683	3 008	3 254	4 212
Lump and run of mine	\$m	5 334	7 036	1 199	1 392	1 439	1 499	1 683	2 415
Total	\$m	15 512	20 273	3 502	4 085	4 143	4 528	4 954	6 649
Steel									
Iron and steel ^s	\$m	1 743	1 562	444	431	401	382	342	437
Scrap	\$m	607	835	122	204	152	196	157	329
Total	\$m	2 350	2 397	566	634	554	578	499	766
Imports									
Quantity									
Iron ore ^d	kt	4 722	4 401	757	1 017	1 098	1 345	1 074	884
Iron and steel	kt	2 318	1 850	657	513	489	456	412	493
Ferroalloys	kt	87	97	14	17	17	18	38	24
Value									
Iron ore ^d	\$m	338	311	60	89	84	92	73	62
Iron and steel	\$m	2 479	2 225	721	609	562	514	526	623
Ferroalloys	\$m	116	154	22	30	33	35	37	49
Total	\$m	2 934	2 690	804	728	679	641	636	734
Prices									
Japanese negotiated ^e	USc/dltu	74.63	81.73	74.63	81.73	81.73	81.73	81.73	147.11

^a For use in iron and steel making; includes pellets for Tasmania. ^b Includes recovery from scrap. ^c Excludes Hong Kong. ^d Includes limonite ore used in the production of refined nickel products. ^e Indicative price: Australian hematite fines to Japan (fob), per dry long tonne unit, for Japanese fiscal year commencing 1 April. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

14 Lead

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Mine ^s									
Lead ore and concentrates	kt	908	888	242	218	219	226	234	209
Lead content of all minerals produced									
New South Wales	kt	91	75	16	20	20	16	19	21
Queensland	kt	415	469	112	112	115	121	127	107
Western Australia	kt	74	30	23	9	8	7	7	9
Tasmania	kt	29	32	7	8	8	7	8	9
Northern Territory	kt	33	35	8	8	8	9	9	9
Australia	kt	642	641	166	157	158	160	169	154
Smelter and refinery									
Refined lead (primary) ^b	kt	191	203	47	60	44	51	52	56
Domestic despatches									
Refined lead	kt	26	25	6	7	7	5	5	8
Exports									
Quantity									
Lead concentrate									
China	kt	166	72	43	16	14	31	4	23
European Union 25	kt	54	34	15	12	13	21	0	0
Japan	kt	53	75	10	16	5	22	21	27
Korea, Rep. of	kt	117	103	36	26	21	35	31	16
Other	kt	33	25	0	19	6	7	9	3
Total	kt	422	309	104	89	60	115	66	69
Lead bullion ^c									
United Kingdom	kt	112	169	21	18	46	44	27	51
Total	kt	112	169	21	18	46	44	27	51
Refined lead									
Chinese Taipei	kt	5	5	1	1	2	1	2	0
India	kt	41	26	12	10	7	8	4	6
Indonesia	kt	6	7	1	1	1	2	2	2
Korea, Rep. of	kt	42	40	12	10	12	10	10	8
Thailand	kt	12	17	2	4	4	6	2	4
Other	kt	109	100	33	31	30	21	13	36
Total	kt	215	193	62	56	57	47	33	56
Lead content of all primary materials exported ^{ds}	kt	635	567	157	142	152	169	87	159
Value									
Lead concentrate	\$m	855	836	233	232	165	321	187	164
Lead bullion	\$m	268	595	57	50	154	172	93	175
Refined lead	\$m	457	674	140	143	195	188	108	183
Total	\$m	1 579	2 105	431	425	514	681	387	522
Prices									
LME cash ^e	US\$/t	1 694	2 891	1 646	2 096	3 084	3 690	2 837	2 315
Australia ^f	A\$/t	2 347	3 639	2 535	2 785	3 716	4 095	3 515	3 229

^a Metallic content. ^b Includes lead content of lead alloys from primary sources. ^c Includes a substantial precious metal content, mainly silver. ^d Lead content of all ores, concentrates, slags, residues, bullion, and refined lead. ^e Based on LME cash, midday, standard grade, minimum 25 tonne warrants. ^f Pasmenco Metals, 99.97-99.99 per cent, fob/for Port Pirie. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.

15 Manganese

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Manganese ore and concentrate									
Western Australia ^s	kt	1 217	1 262	328	315	313	332	281	335
Northern Territory	kt	3 854	4 174	901	1 031	1 043	1 027	972	1 132
Australia ^s	kt	5 071	5 436	1 229	1 345	1 355	1 360	1 254	1 468
Manganese content ^s	kt	2 434	2 609	590	646	651	653	602	704
Exports ^a									
Quantity									
Manganese ore and concentrate	kt	4 667	5 142	1 107	1 248	1 190	1 326	1 263	1 363
Value									
Manganese ore and concentrate	\$ _m	482	1 532	109	136	209	263	378	682
Prices									
Japanese negotiated ^b	US\$/mtu	3.00	2.70	3.00	2.70	2.70	2.70	2.70	11.20
	A\$/t	183.51	144.66	183.53	156.17	153.16	145.76	143.08	570.36

^a Quarterly data derived from annual ABARE estimates to June quarter 2004. ABS data from September quarter 2004. ^b Indicative price: high grade ore (48 per cent Mn) to Japan for Japanese fiscal year commencing 1 April. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

16 Nickel

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production as									
Mine									
Nickel content									
Western Australia	kt	191	190	47	46	44	47	49	50
Australia	kt	191	190	47	46	44	47	49	50
Smelter and refinery									
Intermediate nickel	kt	57	45	15	13	13	12	13	7
Refined nickel, class 1 ^b	kt	104	105	23	25	27	25	27	26
Refined nickel, class 2 ^c	kt	15	15	5	4	2	3	4	6
Exports ^s									
Quantity									
Nickel ^d	kt	166	166	41	42	35	41	45	45
Value									
Ores and concentrates	\$m	1 070	764	332	214	217	151	214	182
Intermediate products ^e	\$m	1 405	709	310	526	133	206	191	179
Refined nickel, class 1 ^b	\$m	3 397	2 382	925	991	616	649	652	465
Refined nickel, class 2 ^c	\$m	500	383	154	197	54	92	103	135
Total	\$m	6 372	4 239	1 722	1 928	1 020	1 098	1 160	960
Imports									
Value									
Primary nickel products ^f	\$m	257	262	54	84	57	88	62	56
Prices									
LME cash ^g	US\$/t	37 942	28 512	41 439	48 055	30 190	29 219	28 957	25 682
	A\$/t	48 353	31 825	52 813	57 908	35 678	32 863	31 969	27 248

^a Details of production of nickel metal, matte, oxide, sinter and nickel-cobalt sulphide are not available. ^b Products with a nickel content of 99 per cent or more. Includes electrolytic nickel, pellets, briquettes and powder. ^c Products with a nickel content of less than 99.8 per cent. Includes ferronickel, nickel oxides and oxide sinter. ^d Includes metal content of ores and concentrates, intermediate products and nickel metal. ^e Includes matte and speiss for further refining. ^f Includes matte, sinter and intermediate products; ferronickel, unwrought nickel metal and alloys and scrap. ^g Average cash settlement price for melting grade refined nickel. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; International Nickel Study Group; London Metal Exchange; ABARE.

17 Petroleum

		2006-07	2007-08 p	quarter					
				2006-07		2007-08 p			
				Mar	June	Sept	Dec	Mar	June
Production									
Field									
Crude oil s	ML	21 153	18 707	4 776	5 211	4 759	4 598	4 415	4 935
Condensate s	ML	7 404	6 940	1 782	1 826	1 977	1 792	1 508	1 662
Total s	ML	28 557	25 647	6 558	7 037	6 736	6 390	5 923	6 597
Production rate s	'000 bbl/day	499	448	458	492	471	447	414	461
LPG	ML	4 550	3 971	1 037	1 077	1 145	1 002	829	995
Ethane a	Mm ³	439	454	89	111	124	110	103	116
Natural gas a	Mm ³	39 331	39 281	9 059	10 184	10 681	10 031	8 989	9 580
Refinery									
Refinery input									
	ML	39 465	38 346	9 874	9 857	9 845	9 623	9 452	9 426
Refinery output									
LPG	ML	1 387	1 515	343	311	341	353	396	424
Automotive gasoline	ML	17 732	17 079	4 263	4 528	4 738	4 288	3 814	4 239
Aviation gasoline	ML	119	119	23	33	26	27	39	27
Aviation turbine fuel	ML	5 332	5 182	1 277	1 288	1 295	1 333	1 262	1 291
Kerosine	ML	2	1	0	1	1	0	0	1
Heating oil	ML	86	102	16	20	33	28	9	33
Automotive diesel oil	ML	11 055	12 177	2 908	3 173	3 133	3 156	2 926	2 962
Industrial and marine diesel fuel	ML	21	3	5	5	5	7	4	- 12
Fuel oil (excl. refinery fuel)	ML	942	979	216	260	225	242	242	270
Lubricating oil basestock	ML	146	121	31	39	35	18	34	34
Bitumen	ML	1 356	1 452	352	336	331	434	327	360
Other products	ML	616	844	123	156	180	199	314	150
Total	ML	38 795	39 575	9 558	10 149	10 343	10 084	9 368	9 780
Sales									
LPG									
Automotive use b	ML	2 335	2 238	561	603	582	566	532	558
Total	ML	4 038	4 020	940	1 070	1 118	1 002	912	988
Automotive gasoline									
Premium unleaded	ML	1 819	1 780	467	449	458	469	434	419
Regular unleaded	ML	15 892	15 212	3 938	3 845	3 905	3 936	3 763	3 609
Other unleaded	ML	1 539	2 242	415	421	500	566	567	608
Total	ML	19 251	19 234	4 820	4 716	4 863	4 971	4 764	4 636
Aviation gasoline	ML	90	88	21	23	23	22	20	23
Aviation turbine fuel	ML	5 837	6 070	1 416	1 416	1 477	1 546	1 497	1 550
Kerosine	ML	32	43	13	11	11	9	18	6
Heating oil	ML	15	12	3	5	4	2	3	3
Automotive diesel oil	ML	17 028	18 245	4 156	4 322	4 407	4 665	4 382	4 790
Industrial and marine diesel fuel	ML	15	11	2	3	3	3	3	2
Fuel oil	ML	1 513	1 583	394	375	383	406	418	376
Lubricating oil and greases	ML	421	435	103	104	110	105	105	113
Bitumen	ML	808	785	226	180	150	216	213	207
Other products	ML	699	258	173	63	64	63	61	69
Total	ML	49 746	50 783	12 267	12 288	12 613	13 011	12 395	12 765

continued

17 Petroleum

continued

		2006-07	2007-08 p	quarter					
				2006-07		2007-08 p			
				Mar	June	Sept	Dec	Mar	June
Exports									
Quantity									
Crude oil and other refinery feedstock									
China	ML	518	972	206	108	0	379	382	211
Chinese Taipei	ML	446	342	7	119	125	8	196	13
Japan	ML	1 957	2 280	543	481	650	643	416	570
Korea, Rep. of	ML	3 873	3 699	1 394	588	1 272	1 067	726	634
New Zealand	ML	1 045	495	237	400	147	56	81	210
Singapore	ML	3 752	3 192	669	714	520	511	1 197	964
United States	ML	190	1 157	0	0	0	360	296	501
Other	ML	4 183	3 833	895	1 324	1 302	996	686	850
Total	ML	15 965	15 971	3 951	3 734	4 017	4 020	3 980	3 954
LNG	Mt	15.20	14.75	3.95	3.90	3.40	3.70	3.75	3.90
LPG	ML	2 824	2 588	593	686	788	690	595	515
Refinery products									
Automotive gasoline	ML	771	629	134	195	271	176	84	98
Aviation turbine fuel	ML	120	150	23	27	38	39	43	29
Diesel fuel c	ML	288	463	90	56	76	133	215	39
Fuel oil	ML	209	257	73	44	85	60	55	57
Aviation gasoline	ML	81	97	8	7	32	48	7	10
Lubricants	ML	231	181	50	85	46	39	52	44
Other products	ML	62	34	17	8	7	12	2	13
Total	ML	1 762	1 811	395	421	555	507	459	289
Ships' and aircraft stores									
Aviation turbine fuel	ML	1 893	1 893	473	473	473	473	473	473
Fuel oil	ML	252	251	63	63	63	63	63	63
Other products	ML	11	24	2	3	6	6	3	9
Total	ML	2 156	2 169	538	539	542	542	540	545
Value									
Crude oil and other refinery feedstock									
	\$m	8 317	10 489	1 922	2 009	2 236	2 541	2 591	3 121
LNG	\$m	5 222	5 854	1 275	1 188	1 173	1 443	1 541	1 698
LPG	\$m	1 038	1 181	218	257	305	319	299	259
Refinery products									
Automotive gasoline	\$m	468	430	78	132	172	124	65	69
Aviation turbine fuel	\$m	74	113	13	16	25	30	35	24
Diesel fuel c	\$m	188	362	54	36	54	100	174	33
Fuel oil	\$m	84	125	29	19	35	29	29	32
Aviation gasoline	\$m	69	72	7	6	22	35	7	8
Lubricants	\$m	157	153	35	54	37	36	43	37
Other products	\$m	57	41	13	12	11	14	6	9
Total	\$m	1 098	1 296	229	275	356	368	359	213
Total	\$m	15 675	18 821	3 644	3 729	4 071	4 670	4 790	5 290
Ships' and aircraft stores									
Aviation turbine fuel	\$m	1 176	1 325	284	290	293	325	344	363
Fuel oil	\$m	108	107	26	26	26	27	27	27
Other products	\$m	11	25	2	3	6	5	4	10
Total	\$m	1 295	1 457	312	320	326	357	375	400

continued

17 Petroleum

continued

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Imports									
Quantity									
Crude oil and other refinery feedstock									
Indonesia	ML	3 391	3 239	1 119	836	1 010	692	759	777
Malaysia	ML	3 730	4 201	947	1 293	1 244	873	1 252	832
Middle East									
Qatar	ML	106	0	106	0	0	0	0	0
Saudi Arabia	ML	1 151	573	389	218	157	287	14	116
United Arab Emirates	ML	2 971	3 659	592	1 013	1 056	1 000	774	829
other	ML	118	43	0	0	0	0	43	0
Total Middle East	ML	4 346	4 275	1 087	1 231	1 213	1 287	830	945
New Zealand	ML	635	1 974	173	271	423	462	545	544
Papua New Guinea	ML	2 059	2 190	572	543	732	629	412	418
Singapore	ML	841	713	185	215	156	251	175	132
Viet Nam	ML	6 677	6 317	1 745	1 224	1 486	2 166	1 426	1 239
Other	ML	3 665	3 311	773	980	701	781	984	845
Total	ML	25 345	26 220	6 600	6 594	6 965	7 141	6 382	5 732
Natural gas	kt	4 268	4 032	1 095	1 157	1 158	637	1 212	1 024
Refined products									
LPG	ML	748	967	78	239	268	173	180	346
Automotive gasoline	ML	2 912	3 537	830	712	524	706	1 295	1 012
Aviation turbine fuel	ML	1 045	1 848	292	314	401	375	494	579
Diesel fuel ^c	ML	5 439	7 506	1 113	1 672	1 505	1 815	1 944	2 242
Fuel oil	ML	1 363	1 625	353	451	291	471	431	432
lubricants	ML	365	396	93	92	94	105	99	98
Other products	ML	2 146	2 148	521	623	546	438	627	536
Total	ML	14 018	18 026	3 281	4 103	3 630	4 083	5 070	5 243
Value									
Crude oil and other refinery feedstock									
	\$m	13 360	17 057	3 196	3 574	3 882	4 434	4 302	4 441
Natural gas	\$m	800	724	210	205	201	97	252	174
Refined products									
LPG	\$m	261	434	27	84	101	81	90	162
Automotive gasoline	\$m	1 872	2 721	496	487	345	503	1 004	869
Aviation turbine fuel	\$m	668	1 502	173	196	263	273	381	585
Diesel fuel ^c	\$m	3 466	6 177	636	1 058	991	1 311	1 604	2 271
Fuel oil	\$m	536	829	129	183	128	229	226	247
lubricants	\$m	495	477	125	120	112	120	117	128
Other products	\$m	1 285	1 331	320	359	315	239	430	346
Total	\$m	7 784	12 747	1 695	2 283	2 054	2 659	3 599	4 434
Total	\$m	21 943	30 528	5 101	6 062	6 137	7 189	8 153	9 049
Prices									
Dubai	US\$/bbl	60.66	90.66	54.03	64.58	70.33	83.30	91.79	117.23
West Texas intermediate	US\$/bbl	63.30	96.97	58.02	64.79	75.35	90.57	97.98	123.97
Brent	US\$/bbl	63.48	95.66	56.80	67.81	75.06	88.79	96.65	122.13
Tapis	US\$/bbl	69.32	100.84	63.55	74.99	79.64	93.34	102.29	128.82
World trade weighted average	US\$/bbl	59.45	91.97	52.50	64.62	71.46	84.64	93.00	118.79
	A\$/bbl	75.77	102.66	66.91	77.87	84.45	95.19	102.68	126.03

^a Commercial sales plus field and plant usage. ^b This is a minimum level and includes only direct sales by the oil industry. The data do not include volumes sold to distributors etc. which are subsequently used or sold for automotive use. ^c Includes automotive diesel oil and industrial and marine diesel fuel. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; Department of Resources, Energy and Tourism, Canberra; US Department of Energy, *Energy Information Administration*; Tokyo Commodity Exchange; ABARE.

18 Petroleum production, by basin

	Crude oil ML	Condensate ML	Total crude oil and condensate		LPG (naturally occurring) ^a	Ethane ^a Mm ³	Natural gas ^a Mm ³	
			ML	'000 bbl/day	ML			ML
March quarter 2008								
Adavale	0.0	0.0	0.0	0.0	0.0	0.0	2.9	
Amadeus	12.5	0.0	12.5	0.9	0.0	0.0	136.1	
Bonaparte	140.3	0.0	140.3	9.8	0.0	0.0	0.0	
Bowen-Surat	5.1	4.3	9.4	0.7	5.9	0.0	64.0	
Canning	1.1	0.0	1.1	0.1	0.0	0.0	0.0	
Carnarvon								
Barrow Island	1 190.0	0.0	1 190.0	83.2	0.0	0.0	462.2	
North West Shelf	775.7	1 250.2	2 026.0	141.6	303.4	0.0	5 817.5	
Other	780.5	34.5	815.0	57.0	0.0	0.0	280.1	
Cooper-Eromanga								
Queensland	238.8	40.9	279.6	19.5	0.0	0.0	0.0	
South Australia	373.7	43.9	417.6	29.2	139.9	64.0	691.2	
Gippsland	734.9	133.8	868.6	60.7	379.3	39.2	1 475.2	
Otway	5.2	0.1	5.3	0.4	0.0	0.0	2.8	
Perth	157.5	0.5	157.9	11.0	0.0	0.0	56.7	
Total	4 415.2	1 508.2	5 923.4	414.0	828.6	103.2	8 988.8	
June quarter 2008 p								
Adavale	0.0	0.0	0.0	0.0	0.0	0.0	2.9	
Amadeus	10.2	0.0	10.2	0.7	0.0	0.0	135.6	
Bonaparte	207.0	0.0	207.0	14.5	0.0	0.0	0.0	
Bowen-Surat	4.9	4.1	9.0	0.6	5.2	0.0	53.8	
Canning	1.0	0.0	1.0	0.1	0.0	0.0	0.0	
Carnarvon								
Barrow Island	1 204.0	0.0	1 204.0	84.1	0.0	0.0	339.5	
North West Shelf	969.7	1 326.2	2 295.8	160.5	348.2	0.0	6 031.7	
Other	943.6	24.2	967.8	67.6	0.0	0.0	207.5	
Cooper-Eromanga								
Queensland	224.8	40.9	265.7	18.6	0.0	0.0	0.0	
South Australia	336.5	43.9	380.4	26.6	139.9	64.0	691.2	
Gippsland	886.8	212.5	1 099.3	76.8	494.8	52.1	2 047.5	
Otway	11.8	9.9	21.7	1.5	6.5	0.0	3.6	
Perth	134.9	0.7	135.6	9.5	0.0	0.0	67.0	
Total	4 935.2	1 662.3	6 597.5	461.1	994.6	116.1	9 580.4	
2007-08								
Adavale	0.0	0.0	0.0	0.0	0.0	0.0	11.6	
Amadeus	49.7	0.0	49.7	0.9	0.0	0.0	541.4	
Bonaparte	826.3	32.8 ^s	859.1 ^s	15.0 ^s	0.0	0.0	0.0	
Bowen-Surat	16.5	19.1	35.6	0.6	24.1	0.0	415.4	
Canning	4.4	0.0	4.4	0.1	0.0	0.0	0.0	
Carnarvon								
Barrow Island	2 848.6	0.0	2 848.6	49.8	0.0	0.0	1 803.8	
North West Shelf	4 063.1 ^s	5 572.1	9 635.2 ^s	168.3 ^s	1 500.0	0.0	24 460.2	
Other	4 709.6 ^s	143.3	4 852.9 ^s	84.8 ^s	0.0	0.0	955.9	
Cooper-Eromanga								
Queensland	900.7	162.6	1 063.3	18.6	0.0	0.0	0.0	
South Australia	1 353.9	192.7	1 546.6	27.0	557.2	258.6	2 968.0	
Gippsland	3 249.7	804.2	4 053.9	70.8	1 883.1	194.9	7 809.7	
Otway	17.0	10.6	27.5	0.5	6.5	0.0	36.2	
Perth	667.7	2.4	670.1	11.7	0.0	0.0	279.1	
Total	18 707.1 ^s	6 939.7 ^s	25 646.8 ^s	448.1 ^s	3 970.9	453.5	39 281.1	

^a Commercial sales plus field and plant usage. ^p Preliminary. ^s ABARE estimate.

Sources: Department of Resources, Energy and Tourism, Canberra; ABARE.

19 Sales of petroleum products, by state marketing area

	NSW ^a	Vic.	QLD	WA	SA	Tas.	NT	Aust.
	ML	ML	ML	ML	ML	ML	ML	ML
June quarter 2008 ^p								
LPG ^b								
Automotive use ^c	158	224	66	48	56	3	2	558
Total	269	359	159	83	94	17	8	988
Automotive gasoline								
Premium unleaded	124	96	100	54	26	14	5	419
Regular unleaded	1 072	960	774	399	281	91	33	3 609
Other unleaded ^d	265	90	203	30	18	2	0	608
Total	1 461	1 146	1 077	483	325	106	38	4 636
of which sales to retailers	1 159	902	750	391	249	52	19	3 522
Aviation gasoline	4	3	7	4	2	0	3	23
Aviation turbine fuel	688	247	332	179	59	8	37	1 550
Kerosine	1	2	2	0	0	0	0	6
Heating oil	1	0	0	0	1	0	0	3
Automotive diesel oil	967	780	1 360	1 086	328	104	166	4 790
of which sales to retailers	327	298	320	195	79	9	18	1 246
Industrial and marine diesel fuel	1	0	1	0	0	0	0	2
Fuel oil ^e	118	73	14	54	0	0	118	376
Lubricating oil and greases	29	25	30	16	9	2	2	113
Bitumen	43	44	78	19	17	3	1	207
Other products ^f	33	9	20	3	3	0	0	69
Total	3 616	2 690	3 079	1 928	837	242	373	12 765
2007-08								
LPG ^b								
Automotive use ^c	624	932	249	191	221	13	7	2 238
Total	1 139	1 480	613	325	368	67	28	4 020
Automotive gasoline								
Premium unleaded	524	409	434	225	108	62	19	1 780
Regular unleaded	4 666	3 998	3 282	1 614	1 139	384	131	15 212
Other unleaded ^d	882	380	759	133	78	9	0	2 242
Total	6 072	4 787	4 475	1 971	1 325	454	150	19 234
of which sales to retailers	4 759	3 797	3 000	1 610	1 006	211	77	14 459
Aviation gasoline	16	13	27	16	6	2	9	88
Aviation turbine fuel	2 722	950	1 286	696	236	33	146	6 070
Kerosine	4	5	32	1	0	1	0	43
Heating oil	4	1	0	0	2	4	0	12
Automotive diesel oil	3 769	3 005	5 160	4 060	1 204	396	650	18 245
of which sales to retailers	1 290	1 174	1 220	745	284	36	71	4 820
Industrial and marine diesel fuel	7	0	4	0	0	0	0	11
Fuel oil ^e	502	329	80	195	3	3	472	1 583
Lubricating oil and greases	115	97	115	62	33	6	7	435
Bitumen	163	190	285	63	58	18	8	785
Other products ^f	126	42	61	14	12	1	2	258
Total	14 638	10 899	12 138	7 404	3 247	985	1 473	50 783

^a Includes Australian Capital Territory. ^b Includes sales for petrochemical feedstock. ^c This is a minimum level and includes only direct sales by the oil industry. The data do not include volumes sold to distributors etc. which are subsequently used or sold for automotive use. ^d Includes proprietary brand and other blends. ^e Excludes refinery fuel. ^f Sales of LPG for petrochemical feedstock are included in LPG sales. ^p Preliminary.

Source: Department of Resources, Energy and Tourism, Canberra.

20 Phosphate

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Single superphosphate ^{as}	kt	944	1 414	111	296	186	558	218	453
Imports									
Quantity									
Phosphate rock									
China	kt	23	55	22	1	1	30	0	24
Morocco	kt	343	439	17	95	50	186	78	125
Nauru	kt	27	112	0	27	27	27	31	27
Togo	kt	0	0	0	0	0	0	0	0
Other	kt	79	101	17	25	15	36	0	50
Total	kt	472	707	55	148	93	279	109	226
Phosphates									
Diammonium ^b	kt	83	313	54	29	6	67	107	133
Monammonium ^c	kt	443	584	239	143	21	122	242	198
High analysis ^d	kt	166	107	50	107	0	15	31	60
Value									
Phosphate rock	\$m	32	80	4	11	7	23	8	42
Phosphates									
Diammonium ^b	\$m	32	259	19	13	3	36	83	137
Monammonium ^c	\$m	182	453	89	69	9	60	165	219
High analysis ^d	\$m	54	63	11	40	0	6	16	41
Prices									
Australia ^e	A\$/t	14.74	11.02	12.98	13.49	13.38	12.36	12.90	5.43

^a Single superphosphate manufactured from imported phosphate rock; P₂O₅ equivalent: 21 per cent. ^b P₂O₅ equivalent: 46 per cent. ^c P₂O₅ equivalent: 50 per cent. ^d P₂O₅ equivalent: 48 per cent. ^e Average import unit value. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

21 Salt

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Australia ^{as}	kt	10 857	11 243 ^s	2 596	2 596	2 899	2 764	2 790 ^s	2 790 ^s
Exports									
Quantity									
Bulk, bagged and table	kt	10 749	10 686 ^s	2 575	2 821	2 396	2 822	2 734 ^s	2 734 ^s
Value									
Bulk, bagged and table	\$m	239	232 ^s	60	62	53	59	60 ^s	60 ^s
Prices									
Australia ^b	A\$/t	22.24	21.67 ^s	23.33	22.04	21.92	20.83	22.00 ^s	22.00 ^s

^a Combination of sales and production data, excludes Victoria. ^b Average export unit value. ^p Preliminary. ^s ABARE estimate. ^{na} Not available.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

22 Silver

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Mine s									
Silver content of all minerals produced									
New South Wales	t	81	77	14	19	13	24	19	21
Queensland	t	1 347	1 504	400	379	379	370	423	332
Western Australia	t	85	114	17	27	42	27	17	28
South Australia	t	28	29	6	7	7	7	7	8
Tasmania	t	96	106	27	26	25	26	25	29
Northern Territory	t	38	38	10	9	9	10	9	9
Australia	t	1 674	1 867	474	467	475	464	500	429
Refinery									
Refined silver	t	618	606	156	156	174	138	149	145
Exports									
Quantity									
Refined silver bullion	t	431	335	106	126	91	90	96	58
Value									
Refined silver ^a	\$m	221	187	52	67	49	46	55	36
Imports									
Value									
Refined silver bullion	\$m	98	80	42	4	4	21	26	29
Prices									
World ^b	US\$/oz	1 274	1 544	1 331	1 334	1 270	1 422	1 768	1 717
Australia ^c	A\$/kg	520	551	542	515	480	514	624	586

^a Includes refined bullion, powder, unwrought silver and semi manufactured forms. ^b London Bullion Market Association, fixed rate. ^c Pasma Metals, fob/Port Pirie. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Bullion Market Association; ABARE.

23^{Tin}

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Mine									
Tin content of all minerals produced									
Queensland ^s	t	3 218	1 631	556	548	391	536	483	221
Western Australia ^s	t	149	0	30	10	0	0	0	0
Tasmania	t	0	0	0	0	0	0	0	0
Australia ^s	t	2 061	1 631	586	558	391	536	483	221
Smelter and refinery									
Refined tin (primary) ^s	t	321	0	68	50	0	0	0	0
Domestic despatches ^s									
Tin concentrate	t	196	na	40	11	na	na	na	na
Tin content	t	147	na	30	8	na	na	na	na
Exports									
Quantity									
Tin concentrate	t	3 172	6 517	1 105	966	669	1 290	3 499	1 059
Refined tin	t	36	185	28	6	181	3	1	0
Tin content of primary materials exported ^{bs}	t	1 867	3 075	663	550	569	751	1 299	455
Value									
Tin concentrate	\$m	25	40	9	8	6	7	18	8
Refined tin	\$m	0	3	0	0	3	0	0	0
Total	\$m	25	43	9	8	9	7	18	8
Imports									
Quantity									
Refined tin	t	574	603	137	121	126	127	181	169
Value									
Refined tin	\$m	8	12	2	2	2	2	3	4
Prices									
LME ^c	US\$/t	11 455	17 877	12 729	14 103	14 983	16 342	17 783	23 345

^a Primary and secondary. ^b Tin content of tin ores and concentrates and refined tin. ^c LME official close. ^p Preliminary. ^s ABARE estimate. ^{na} Not available.
Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.

24 Titanium minerals

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Ilmenite concentrate									
New South Wales ^s	kt	179	197	39	64	47	57	43	49
Queensland ^s	kt	177	222	39	43	45	57	57	63
South Australia	kt	0	5	0	0	0	0	2	4
Western Australia	kt	2 026	1 779	521	464	482	478	443	376
Northern Territory	kt	1	3	0	0	0	1	1	1
Australia ^s	kt	2 383	2 205	600	572	575	592	545	493
Leucoxene concentrate									
New South Wales ^s	kt	69	86	11	29	23	20	10	34
Victoria	kt	1	5	0	1	0	1	2	2
South Australia	kt	0	3	0	0	0	0	1	2
Western Australia	kt	99	60	22	20	16	19	13	12
Northern Territory	kt	1	2	0	0	0	1	1	1
Australia ^s	kt	169	156	34	50	40	40	26	51
Rutile concentrate									
New South Wales ^s	kt	56	63	12	13	16	16	15	16
Victoria	kt	22	72	6	16	18	19	19	16
Queensland ^s	kt	71	85	17	17	20	25	20	19
South Australia	kt	0	2	0	0	0	0	1	1
Western Australia	kt	126	105	30	28	25	28	29	22
Northern Territory	kt	2	6	1	1	1	1	1	2
Australia ^s	kt	279	333	66	76	80	90	85	77
Synthetic rutile ^s	kt	729	672	175	190	179	182	155	155
Titanium dioxide pigment ^s	kt	207	201	51	52	53	52	50	45
Exports									
Quantity									
Ilmenite concentrate ^a	kt	999	894	248	169	224	234	257	179
Leucoxene concentrate	kt	123	56	46	26	47	3	3	3
Rutile concentrate ^s	kt	307	399	77	82	87	99	102	111
Synthetic rutile ^s	kt	508	513	112	126	131	128	126	128
Titanium dioxide pigment	kt	171	175	40	48	45	44	43	43
Value									
Ilmenite concentrate ^a	\$m	113	104	28	20	22	30	31	21
Leucoxene concentrate	\$m	35	15	10	8	9	2	2	2
Rutile concentrate ^s	\$m	259	277	64	74	66	72	71	67
Synthetic rutile ^s	\$m	361	305	78	96	82	78	74	71
Titanium dioxide pigment	\$m	408	375	97	107	101	94	91	90
Prices ^b									
Ilmenite concentrate									
Bulk	A\$/t	113	na	115	117	100	na	na	na
Leucoxene concentrate									
Bulk	A\$/t	249	166	196	230	166	na	na	na
Bagged	A\$/t	679	631	688	639	629	598	656	645
Rutile concentrate									
Bagged	A\$/t	861	742	884	802	749	730	710	786
Titanium dioxide pigment	A\$/t	2 391	2 137	2 402	2 253	2 245	2 117	2 112	2 072

^a From January 1992, bulk only. ^b Average export unit value. ^p Preliminary. ^s ABARE estimate. **na** Not available.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

25 Uranium

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Mine									
Uranium oxide (U ₃ O ₈)	t	9 594	10 151	2 081	2 670	2 473	2 921	2 510	2 247
Uranium (U content)									
South Australia	t	3 674	4 137	912	1 001	941	1 160	1 003	1 032
Northern Territory	t	4 461	4 472	853	1 264	1 156	1 317	1 125	873
Australia	t	8 135	8 608	1 765	2 264	2 097	2 477	2 128	1 905
Exports ^a									
Quantity									
Uranium oxide (U ₃ O ₈)	t	9 519	10 139	1 725	2 933	2 486	3 088	2 385	2 180
Value									
Uranium oxide (U ₃ O ₈)	\$m	660	887	142	198	285	259	172	171
Prices									
Uranium oxide (U ₃ O ₈)									
Industry spot ^b	US\$/lb	81.17	80.75	85.00	124.67	98.33	89.33	74.00	61.33
Australia ^c	A\$/kg	69.28	87.45	82.43	67.54	114.50	83.93	72.11	78.36

^a Country details not available. ^b Average of weekly restricted spot price, published by The Ux Consulting Company. ^c Average export unit value. ^p Preliminary.
Sources: Australian Bureau of Statistics, Canberra; The Ux Consulting Company; ABARE.

26 Zircon

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Zircon concentrate									
New South Wales ^s	kt	37	48	10	12	12	11	13	12
Victoria	kt	49	141	13	35	39	40	38	23
Queensland ^s	kt	56	66	13	15	20	18	14	14
South Australia		0	15	0	0	0	0	5	10
Western Australia	kt	409	295	96	96	74	84	74	63
Northern Territory	kt	7	16	3	2	3	4	4	5
Australia ^s	kt	557	580	135	159	149	157	148	127
Exports									
Quantity									
Zircon concentrate ^s	kt	555	637	143	152	152	163	161	161
Value									
Zircon concentrate ^s	\$m	478	421	130	113	101	108	107	105
Prices ^a									
Zircon concentrate									
All grades - bagged	A\$/t	1 111	943	1 130	1 058	1 059	987	923	851

^a Average export unit value. ^p Preliminary. ^s ABARE estimate.

27 Zinc

		2006-07	2007-08 ^p	quarter					
				2006-07		2007-08 ^p			
				Mar	June	Sept	Dec	Mar	June
Production									
Mine s									
Zinc ore and concentrates	kt	2 508	3 074	605	716	744	897	697	736
Zinc content of all minerals produced									
New South Wales	kt	147	140	27	33	35	31	33	41
Queensland	kt	843	897	212	224	226	217	221	233
Western Australia	kt	144	205	25	49	57	51	41	56
South Australia	kt	4	94	0	4	13	69	12	0
Tasmania	kt	97	102	25	29	26	22	26	28
Northern Territory	kt	140	134	35	36	35	33	33	33
Australia	kt	1 375	1 571	324	375	392	423	365	391
Smelter and refinery									
Refined zinc (primary)	kt	496	508	119	127	127	129	121	131
Domestic despatches									
Refined zinc	kt	87	85	19	22	21	20	21	23
Exports									
Quantity									
Zinc concentrates									
Belgium-Luxembourg	kt	51	93	14	13	26	22	26	19
China	kt	426	822	56	207	204	248	153	217
Germany	kt	36	0	6	0	0	0	0	0
Japan	kt	315	312	49	75	72	92	69	78
Korea, Rep. of	kt	343	345	77	90	79	89	80	98
Netherlands	kt	284	351	58	56	97	90	84	81
Spain	kt	257	161	61	63	44	64	19	34
Other	kt	236	237	78	74	48	63	54	72
Total	kt	1 948	2 321	398	578	568	669	485	598
Refined zinc									
Chinese Taipei	kt	79	83	18	21	19	19	24	22
Hong Kong, China	kt	103	82	22	19	19	25	18	20
Indonesia	kt	17	15	3	4	4	3	4	4
Malaysia	kt	17	26	7	3	4	4	6	12
New Zealand	kt	12	12	3	3	3	3	3	3
United States	kt	5	0	0	0	0	0	0	0
Other	kt	141	192	46	50	63	39	46	44
Total	kt	374	411	99	100	111	94	101	105
Zinc content of all primary materials exported ^{as}									
	kt	1 321	1 506	293	374	387	406	332	382
Value									
Zinc concentrates	\$m	2 590	2 047	514	696	684	619	371	373
Refined zinc	\$m	1 707	1 319	485	424	454	314	270	281
Total	\$m	4 298	3 366	999	1 121	1 138	933	641	654
Prices									
LME cash ^b	US\$/t	3 672	2 599	3 456	3 664	3 229	2 623	2 429	2 113
Australia ^c	A\$/t	4 952	3 341	5 160	4 611	4 341	3 414	2 909	2 701

^a Zinc content of all ores, concentrates, slags, residues, intermediate products, refined zinc, zinc powders, flakes and dust. ^b LME cash, midday, registered brands, minimum 98 per cent, 25 tonne warrants. ^c EZ Industries, Prime Western, 98.5 per cent. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.